alu

A better seat

Product Guide

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Rolls-Royce Marine AS.

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On the surface, seating may not seem as exciting or as important as other developments, but as recent studies into fatigue at sea have demonstrated, comfort and support are vital elements in the maintenance of alertness and crew health.

With increased automation and centralization, demands on the watchkeeper, particularly with the diminution of manning levels, have increased significantly, and ergonomic design is now seen to be playing a vital role in marine and offshore operation.

Think design

Modern design aesthetics, ergonomics, user friendly features and high quality production techniques are defining characteristics of the Alu Design products.

Think comfort

At Alu Design we make great efforts to ensure that our products are truly the “Captain’s choice“, prioritizing the usability and functionality of each chair and accessory.

Think value

Alu Design offers the best value for the money. Period! Thanks to our investment in manufacturing techniques, we are able to produce our chairs efficiently and very cost effectively without compromising on quality.

Certificates

Download
all of our certificates:

- DnV GL Type Approval
- High-Speed Craft 2000
- MED certificates

Crash tests:

See videoes from chair
and deck rail crash tests.

Crash test approved according to International Code of Safety for High-Speed Craft 2000 - Annex 10.

ISO 9001

Our company will be approved according to ISO 9001 during 1st half of 2015.

Certificates / Approvals

All products are tested according to international standards and requirements – our own requirements are even stricter! Quality requirements apply to all parts, right down to 1st class quality aluminium and stainless steel bolts and nuts.

International standards and certificates

- NORSOK S-002
- MED-B
- MED-D
- CRIB 7
- International Code of Safety for High-Speed Craft (2000) - Annex 10
- ISO 9001 (approval expected in 2015)

Rolls-Royce Marine AS.

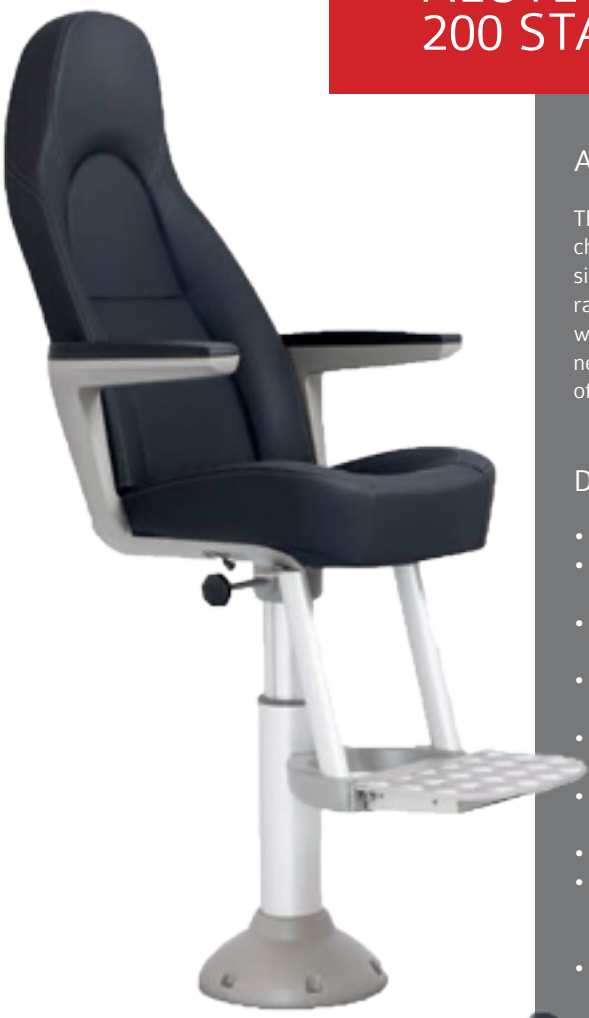
CHAIRS

Alutech Chairs

The best seating experience available!This is our promise to our customers.

No matter whether you call it a pilot chair, helm chair, navigator chair or operator seat – we have the chair and solution for your vessel.

ALUTECH 200 STANDARD

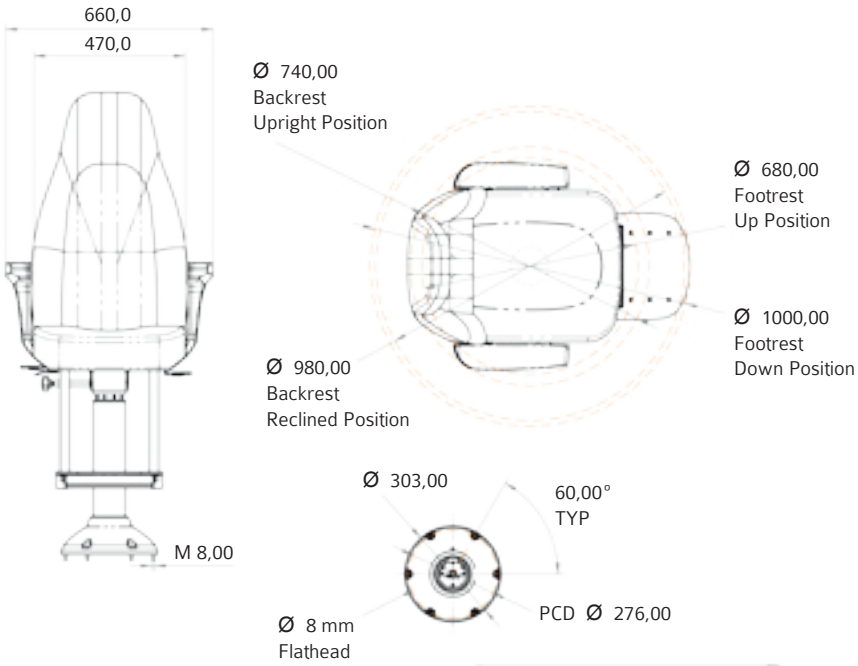


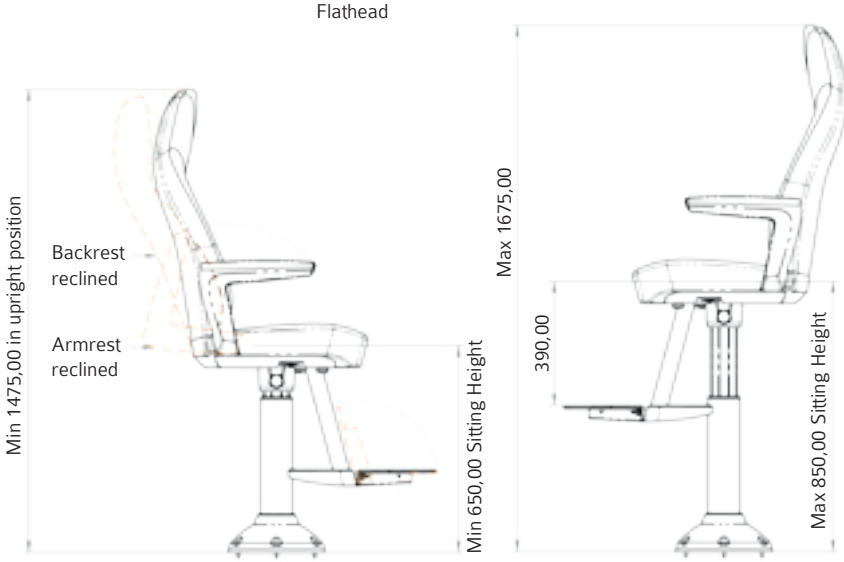
Alutech 200 Standard

The Alutech 200 Standard chair is the lightest and simplest chair in our product range - perfect for you who want a great chair but don't need all the functions offered by the Alutech 500.

Design and features

- Flip backarmrests
- Easily removable armrest top
- Sitting height adjusted with gas-struts
- Easy removable seat cushion
- Backrest angle adjusted with gas-struts
- Chair rotates 360° and locks in any position
- Shock absorbing column
- Footrest rotates with chair and is supported by the column for stability
- Constructed from castings and extruded profiles with no welding
- Power coat colour: Standard colour RAL 9007





Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	HSC Code	Footrest
Alutech 220	400 - 500 mm	1210 mm	1310 mm	30 kg	12 g	No
Alutech 230	550 - 750 mm	1360 mm	1560 mm	34 kg	12 g	Yes
Alutech 240	650 - 850 mm	1460 mm	1660 mm	35 kg	12 g	Yes
Alutech 250	750 - 950 mm	1560 mm	1760 mm	36 kg	12 g	Yes
Alutech 260	850 - 1050 mm	1660 mm	1860 mm	37 kg	12 g	Yes

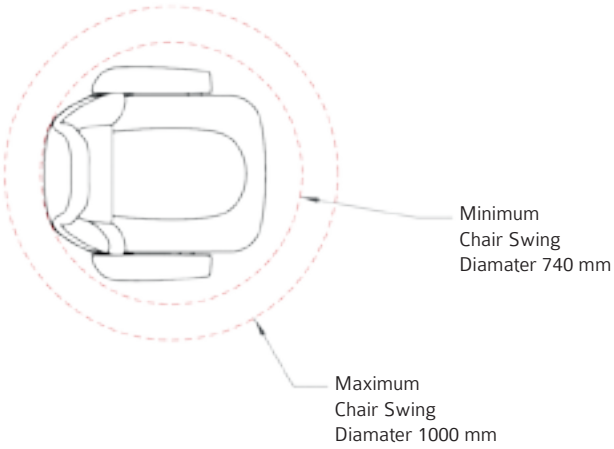
ALUTECH 1200 OFFICE

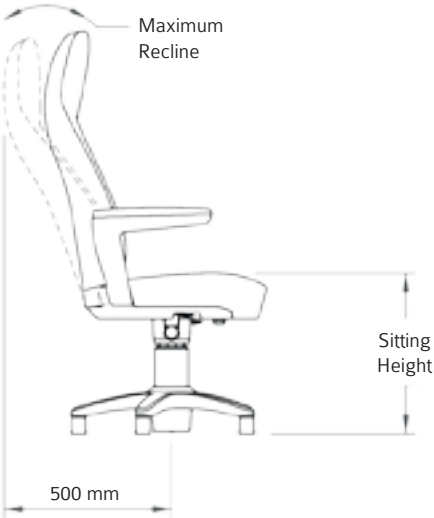
Alutech 1200 Office

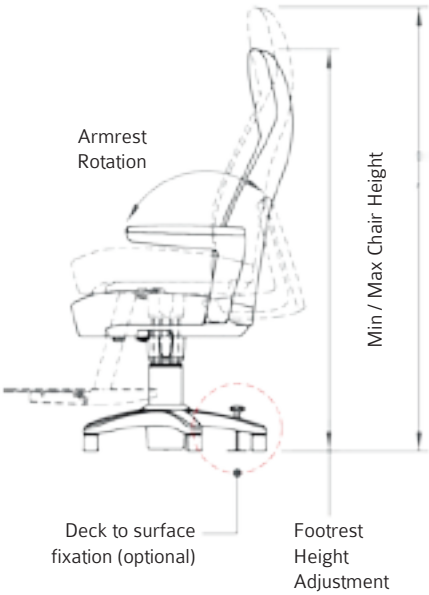
The Alutech 1200 Office Series is the lightest and simplest chair in our product range - perfect for you who want a great chair but don't need all the functions offered by the Alutech 500 Office Series.

Design and features

- Flip back armrests
- Easily removable armrest top
- Sitting height adjusted with gas-struts
- Easy removable seat cushion
- Backrest angle adjusted with gas-struts
- Chair rotates 360° and locks in any position
- Shock absorbing column
- Footrest rotates with chair and is supported by the column for stability
- Supplied with either wheels or gliders
- Constructed from castings and extruded profiles with no welding
- Power coat colour: Standard colour RAL 9007

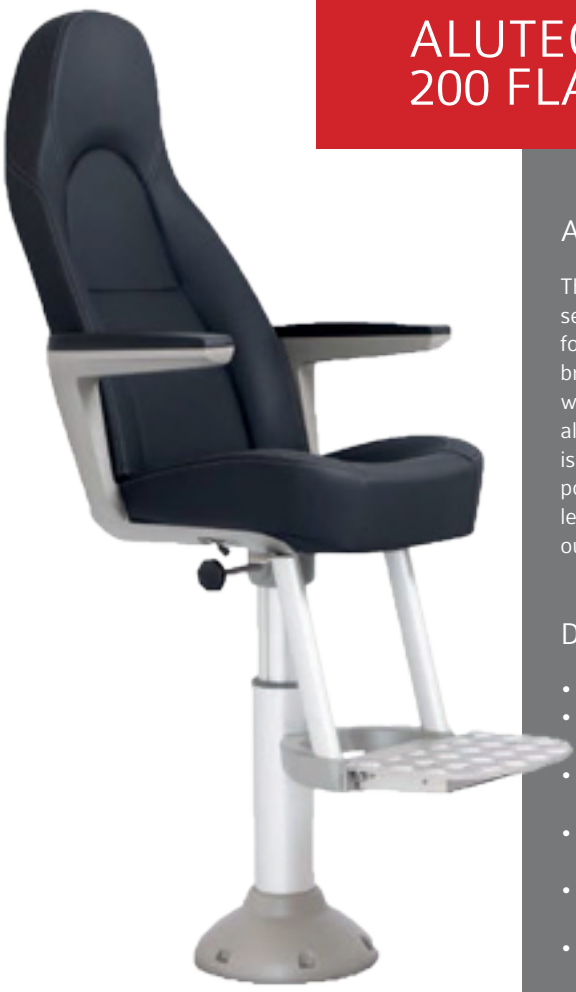






Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	Footrest
Alutech 1220	400 - 500 mm	1210 mm	1310 mm	31 kg	No
Alutech 1230	550 - 750 mm	1360 mm	1560 mm	35 kg	Yes
Alutech 1240	650 - 850 mm	1460 mm	1660 mm	36 kg	Yes
Alutech 1250	750 - 950 mm	1560 mm	1760 mm	37 kg	Yes
Alutech 1260	850 - 1050 mm	1660 mm	1860 mm	38 kg	Yes

ALUTECH 200 FLATBACK

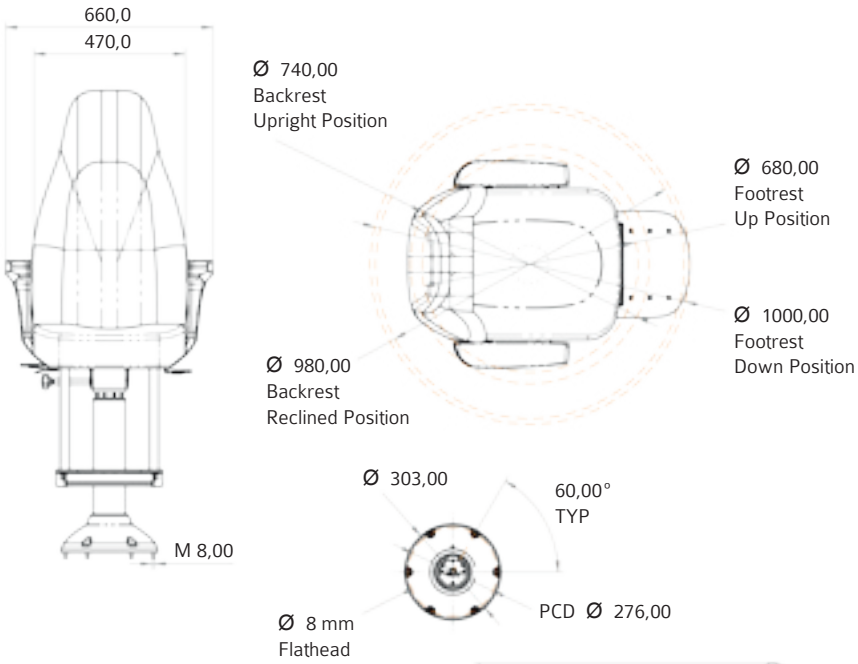


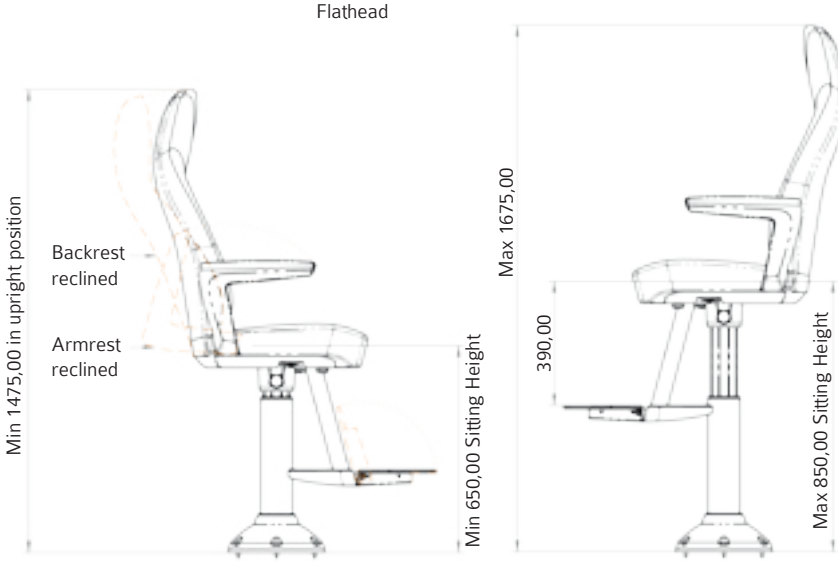
Alutech 200 Flatback

The Alutech 200 Flatback series is specially designed for ships passing under low bridges where the complete wheelhouse is lowered to allow passage. The back rest is easily reclined to a flat position by use of a single lever. Other features as for our standard Alutech series.

Design and features

- Flip back armrests
- Easily removable armrest top
- Sitting height adjusted by gas-struts
- Easy removable seat cushion
- Backrest angle adjusted with gas-struts
- Backrest folds back approximately 70° from the vertical position
- Chair rotates 360° and locks in any position
- Shock absorbing column
- Footrest rotates with chair and is supported by the column for stability
- Constructed from castings and extruded profiles with no welding
- Power coat colour: Standard colour RAL 9007





Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	HSC Code	Footrest
Alutech 265	400 - 500 mm	1210 mm	1310 mm	30 kg	12 g	No
Alutech 270	550 - 750 mm	1360 mm	1560 mm	34 kg	12 g	Yes
Alutech 280	650 - 850 mm	1460 mm	1660 mm	35 kg	12 g	Yes
Alutech 290	750 - 950 mm	1560 mm	1760 mm	36 kg	12 g	Yes
Alutech 295	850 - 1050 mm	1660 mm	1860 mm	37 kg	12 g	Yes

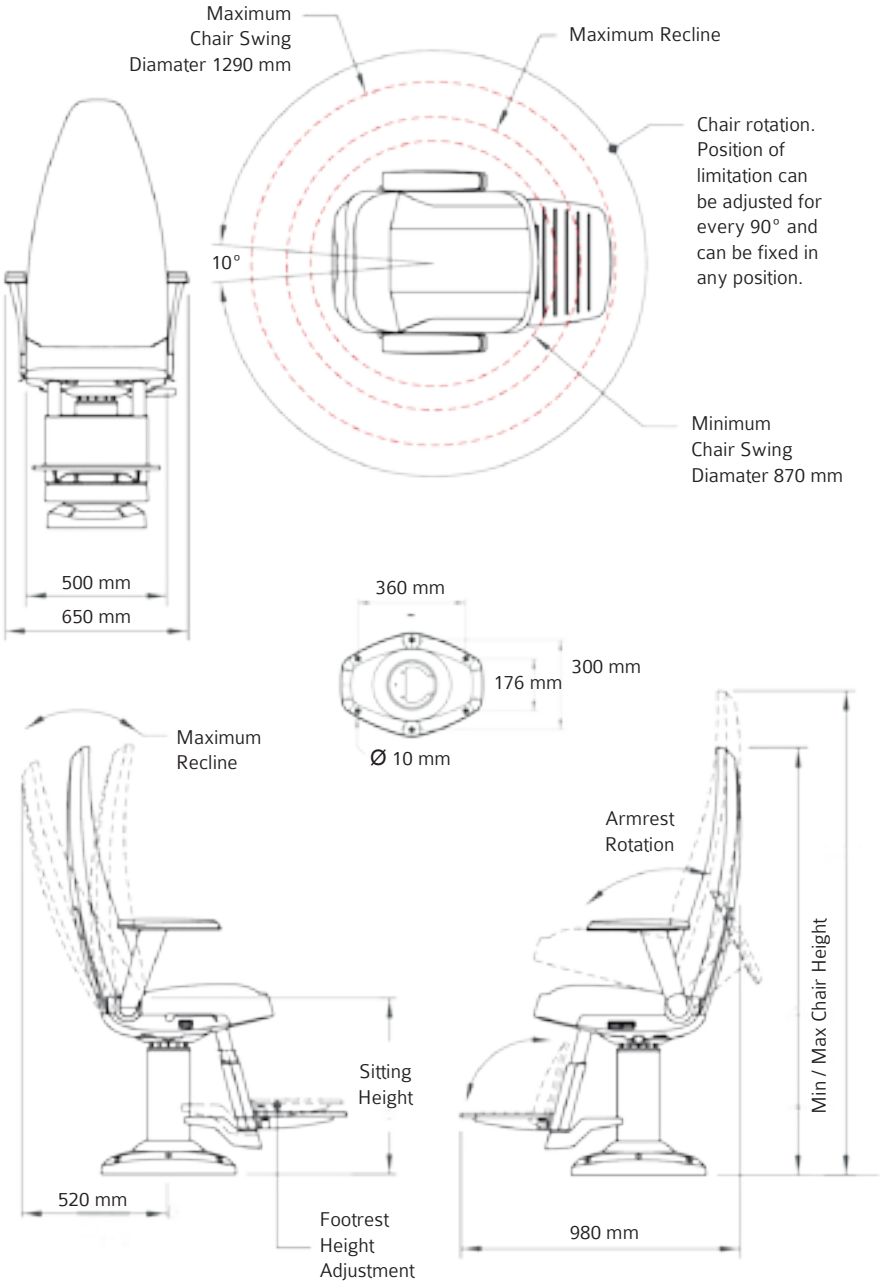
ALUTECH 300 STANDARD

Alutech 300 Standard

High quality construction ensures a robust and stable chair that can be mounted to the deck, or Alutechs range of deck rails.

Design and features

- Flip backarmrests
- Easily removable armrest top
- Sitting height adjusted with gas-struts
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metal contact
- Constructed with pressure die cast and injectio molded parts, and extruded profiles. No welded parts
- Power coat colour: Metal Grey A1012724



Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	HSC Code	Footrest
Alutech 320	420 - 490 mm	1310 mm	1380 mm	37 kg	12 g	No
Alutech 325	550 - 750 mm	1440 mm	1640 mm	46 kg	12 g	Yes
Alutech 330	630 - 880 mm	1520 mm	1770 mm	47 kg	12 g	Yes
Alutech 340	730 - 980 mm	1620 mm	1870 mm	48 kg	12 g	Yes
Alutech 350	830 - 1030 mm	1720 mm	1920 mm	49 kg	12 g	Yes

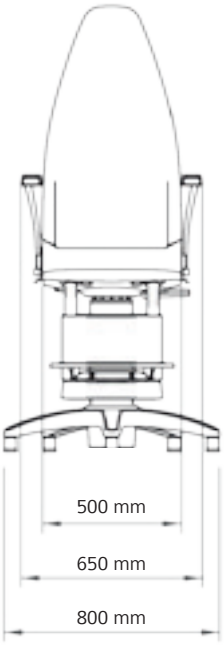
ALUTECH 1300 OFFICE

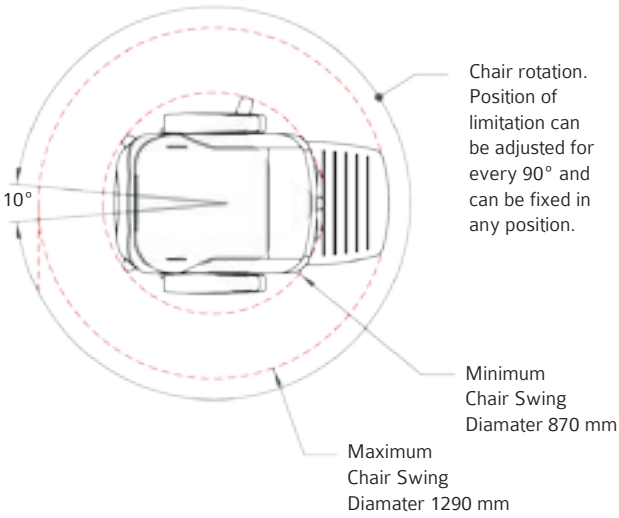
Alutech 1300 Office

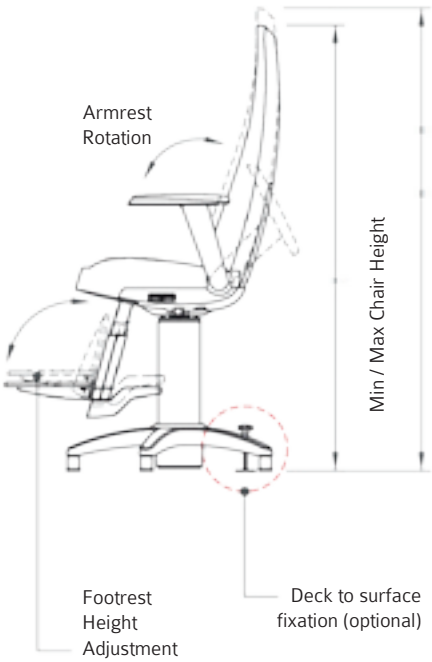
High quality construction ensures a robust and stable office chair.

Design and features

- Flip backarmrests
- Easily removable armrest top
- Sitting height adjusted with gas-struts
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metal contact
- Constructed with pressure die cast and injection molded parts, and extruded profiles. No welded parts
- Power coat colour: Metal Grey A1012724




10°
Chair rotation. Position of limitation can be adjusted for every 90° and can be fixed in any position.
Minimum Chair Swing Diamater 870 mm
Maximum Chair Swing Diamater 1290 mm



Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	Footrest
Alutech 1320	460 - 520 mm	1350 mm	1420 mm	42 kg	No
Autech 1325	590 - 790 mm	1480 mm	1680 mm	43 kg	No
Alutech 1330	690 - 940 mm	1560 mm	1810 mm	51 kg	Yes

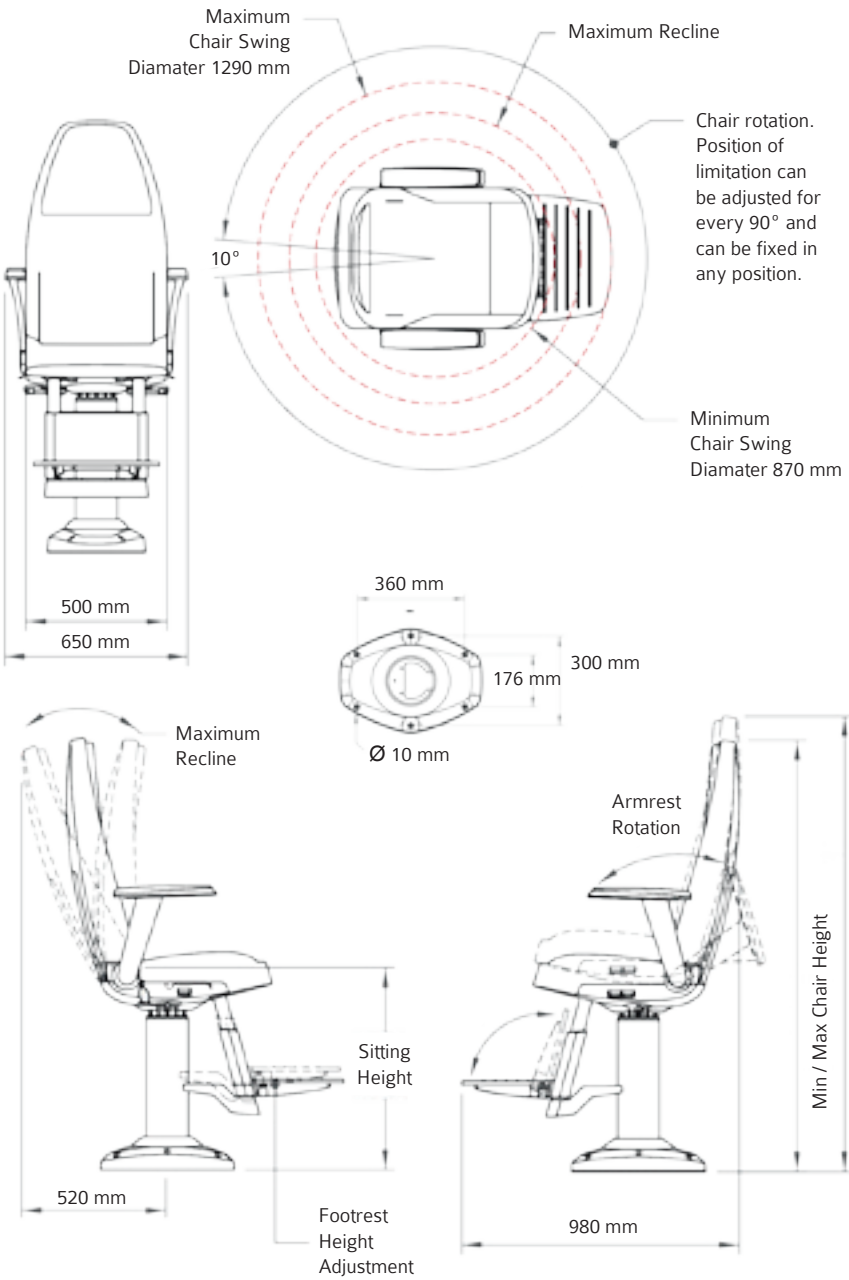
ALUTECH 400 STANDARD

Alutech 400 Standard

High quality construction ensures a robust and stable chair that can be mounted to the deck, or Alutechs range of deck rails.

Design and features

- Flip backarm rests
- Easily removable armrest top
- Sitting height adjusted with gas-struts
- Easy removable seat cushion
- Backrest angle adjusted with gas-struts
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metl contact
- Constructed with pressure die cast and injection molded parts, and extruded profiles. No welded parts.
- Power coat colour: Metal Grey A1012724



Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	HSC Code	Footrest
Alutech 420	420 - 490 mm	1260 mm	1330 mm	33 kg	12 g	No
Alutech 425	550 - 750 mm	1390 mm	1590 mm	42 kg	12 g	Yes
Alutech 430	630 - 880 mm	1470 mm	1720 mm	43 kg	12 g	Yes
Alutech 440	730 - 980 mm	1570 mm	1820 mm	44 kg	12 g	Yes
Alutech 450	830 - 1030 mm	1670 mm	1870 mm	45 kg	12 g	Yes

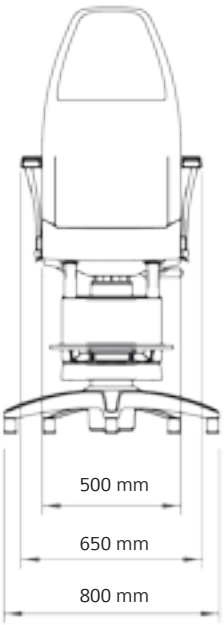
ALUTECH 1400 OFFICE

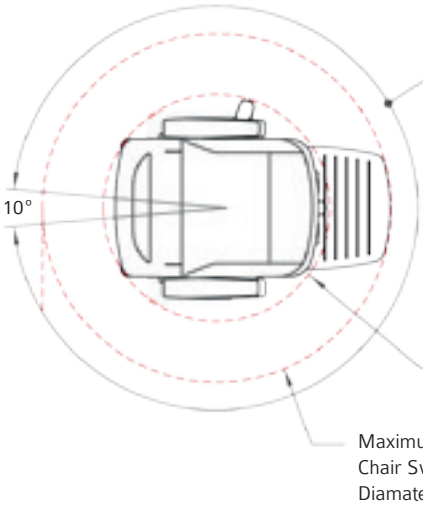
Alutech 1400 Office

High quality construction ensures a robust and stable office chair.

Design and features

- Flip backarm rests
- Easily removable armrest top
- Sitting height adjusted with gas-struts
- Easy removable seat cushion
- Backrest angle adjusted with gas-struts
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metl contact
- Constructed with pressure die cast and injection molded parts, and extruded profiles. No welded parts.
- Power coat colour: Metal Grey A1012724

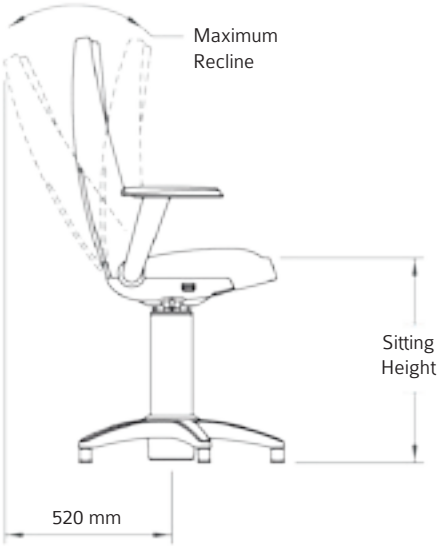


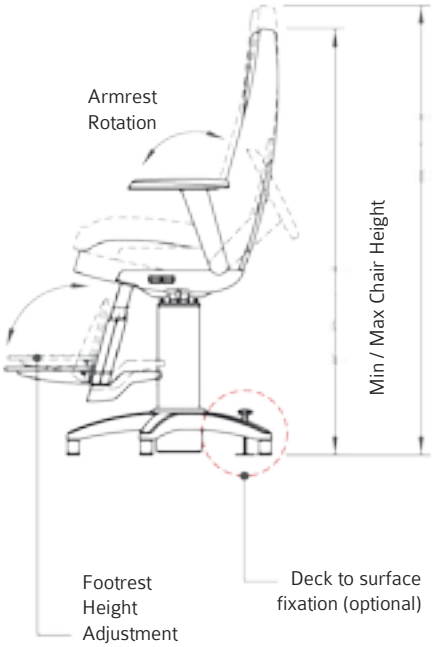


Chair rotation. Position of limitation can be adjusted for every 90° and can be fixed in any position.

Minimum Chair Swing Diamater 870 mm

Maximum Chair Swing Diamater 1290 mm





Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	Footrest
Alutech 1420	460 - 520 mm	1300 mm	1370 mm	42 kg	No
Autech 1425	590 - 790 mm	1430 mm	1630 mm	43 kg	No
Alutech 1430	690 - 940 mm	1510 mm	1760 mm	50 kg	Yes

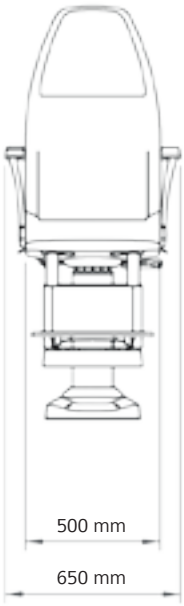
ALUTECH 400 FLATBACK

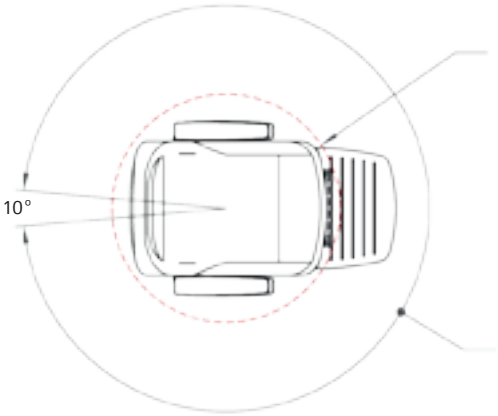
Alutech 400 Flatback

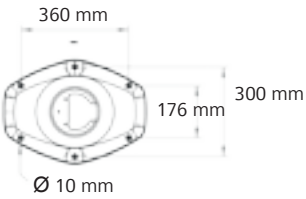
The Alutech 400 Flatback series is specially designed for ships passing under low bridges where the complete wheelhouse is lowered to allow passage. The back rest is easily reclined to near flat position by use of a single lever. Other features are as for our standard Alutech 400 series.

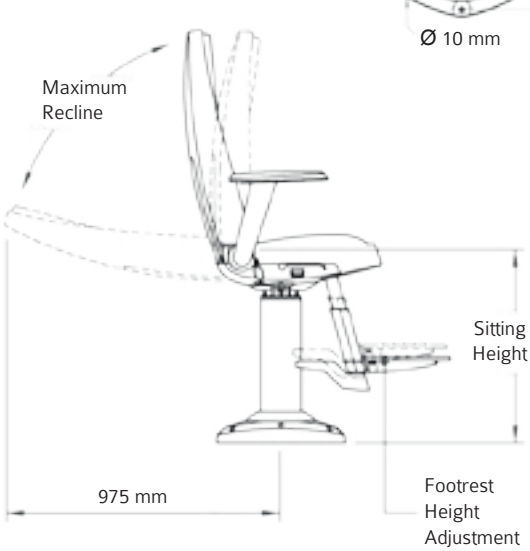
Design and features

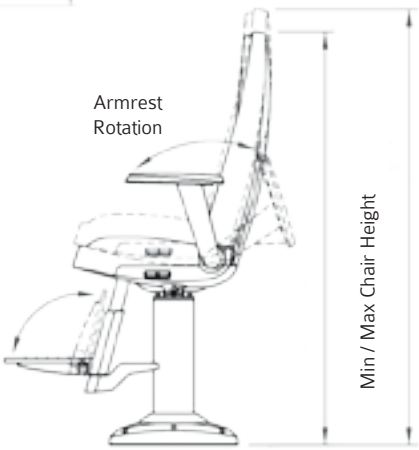
- Flip back armrests
- Easily removable armrest top
- Sitting height adjusted by gas-struts
- Easy removable seat cushion
- Backrest angle adjusted with gas-struts
- Backrest folds back approximately 80° from the vertical position
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metal contact
- Constructed with pressure die cast and injection molded parts, and extruded profiles. No welded parts
- Power coat colour: Metal Grey A1012724











Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	HSC Code	Footrest
Alutech 460	420 - 490 mm	1260 mm	1330 mm	33 kg	12 g	No
Alutech 465	550 - 750 mm	1390 mm	1590 mm	42 kg	12 g	Yes
Autech 470	630 - 880 mm	1470 mm	1720 mm	43 kg	12 g	Yes
Alutech 480	730 - 980 mm	1570 mm	1820 mm	44 kg	12 g	Yes
Alutech 490	830 - 1030 mm	1670 mm	1870 mm	45 kg	12 g	Yes

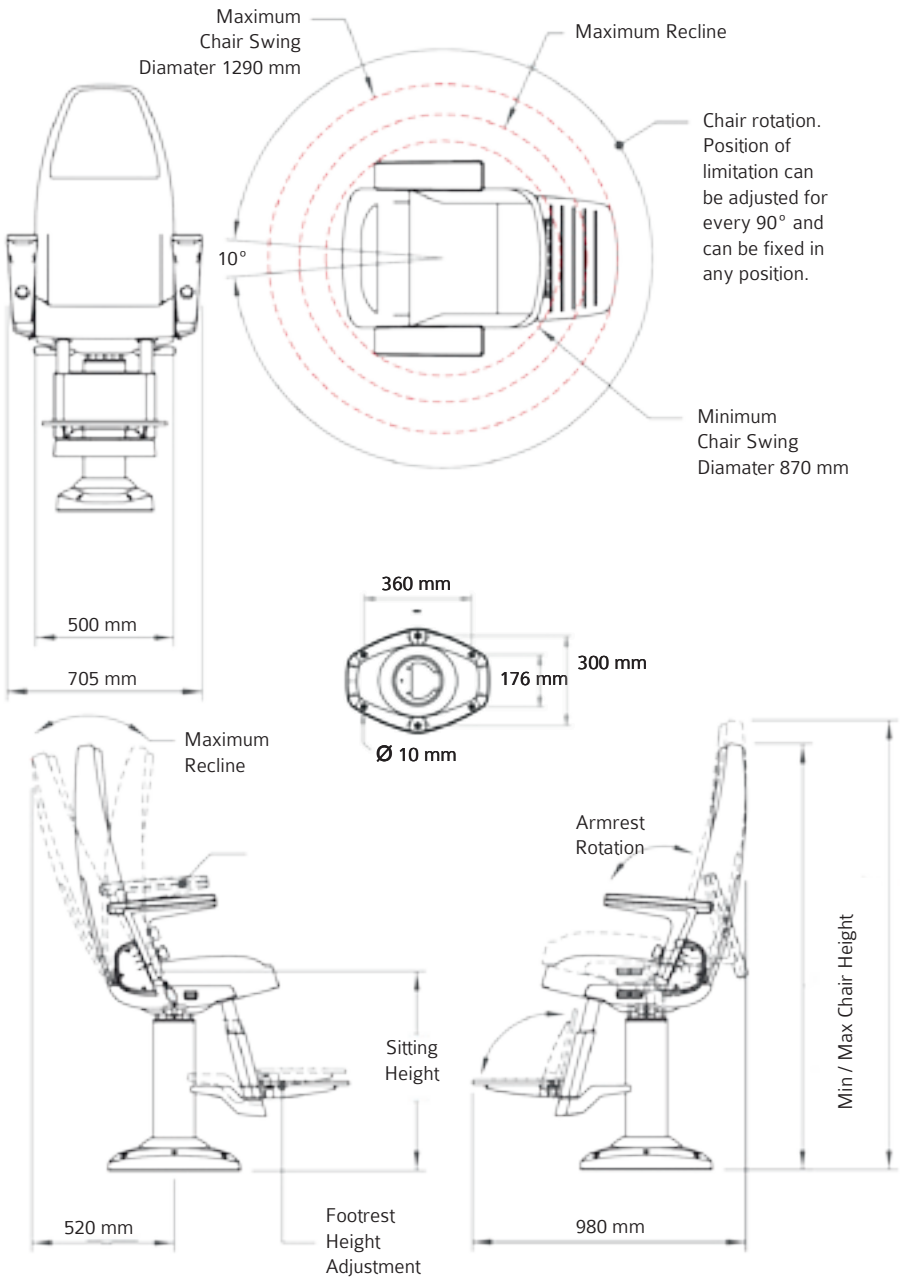
ALUTECH 500 STANDARD

Alutech 500 Standard

High quality construction ensures a robust and stable chair that can be mounted to the deck, or Alutechs range of deck rails.

Design and features

- Height adjustable armrests
- Flip backarmrests
- Easily removable armrest top
- Armrests accommodate attachments for control equipment and cup holders etc
- Sitting height adjusted with gas-struts
- Easy removable seat cushion
- Backrest angle andjusted with gas-struts
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Cable routing through the chair and center column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metal contact
- Constructed with pressure die cast and injection molded parts, and extruded profiles. No welded parts
- Power coat colour: Metal Grey A1012724



Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	HSC Code	Footrest
Alutech 520	420 - 490 mm	1260 mm	1330 mm	41 kg	12 g	No
Alutech 525	550 - 750 mm	1390 mm	1590 mm	50 kg	12 g	Yes
Alutech 530	630 - 880 mm	1470 mm	1720 mm	51 kg	12 g	Yes
Alutech 540	730 - 980 mm	1570 mm	1820 mm	52 kg	12 g	Yes
Alutech 550	830 - 1030 mm	1670 mm	1870 mm	53 kg	12 g	Yes

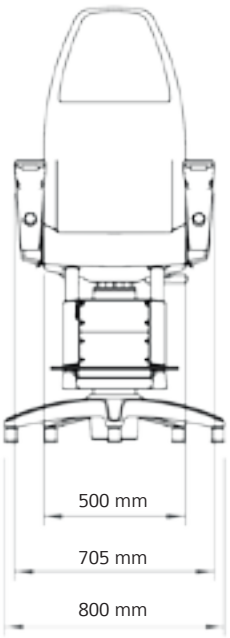
ALUTECH 1500 OFFICE

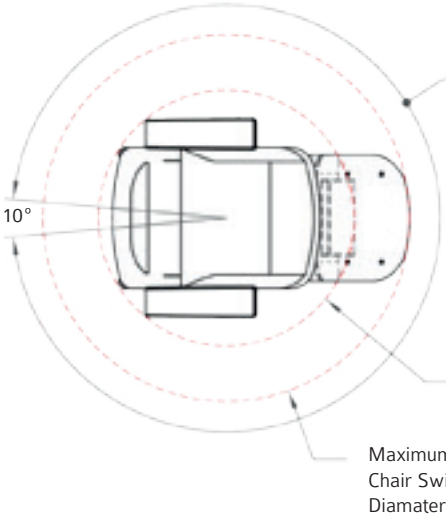
Alutech 1500 Office

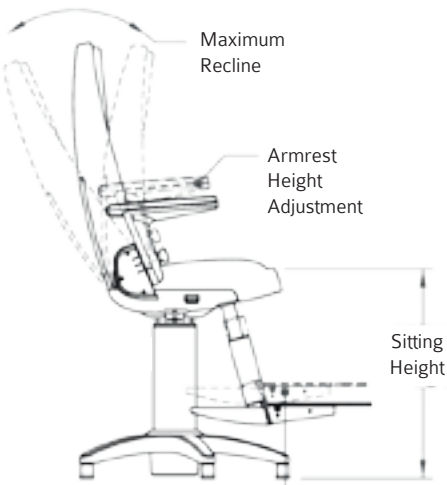
High quality construction ensures a robust and stable office chair.

Design and features

- Height adjustable armrests
- Flip backarm rests
- Easily removable armrest top
- Sitting height adjusted with gas-struts
- Easy removable seat cushion
- Backrest angle adjusted with gas-struts
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metal contact
- Constructed with pressure die cast and injection molded parts, and extruded profiles. No welded parts
- Power coat colour: Metal Grey A1012724




10°
Chair rotation. Position of limitation can be adjusted for every 90° and can be fixed in any position.
Minimum Chair Swing Diamater 870 mm
Maximum Chair Swing Diamater 1290 mm



Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	Footrest
Alutech 1520	460 - 520 mm	1300 mm	1370 mm	42 kg	No
Autech 1525	590 - 790 mm	1430 mm	1630 mm	43 kg	No
Alutech 1530	690 - 940 mm	1510 mm	1760 mm	60.5 kg	Yes

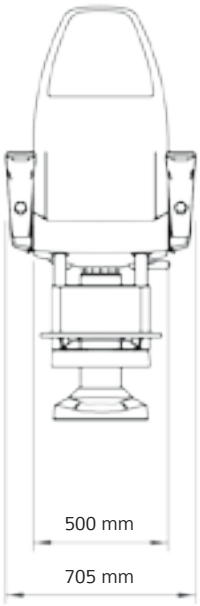
ALUTECH 500 FLATBACK

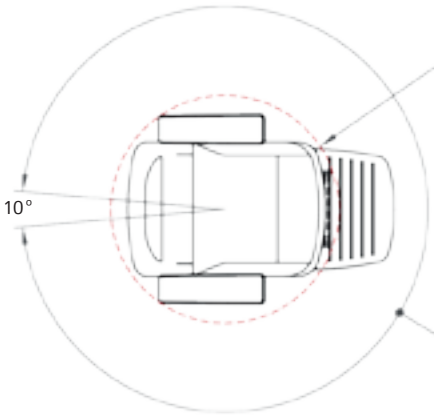
Alutech 500 Flatback

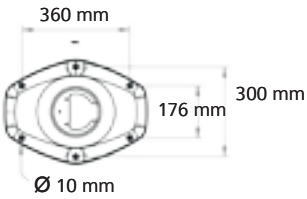
The Alutech 500 Flatback series is specially designed for ships passing under low bridges where the complete wheelhouse is lowered to allow passage. The backrest is easily reclined to a near flat position by use of a single lever.
Other features are as for our standard Alutech 500 series.

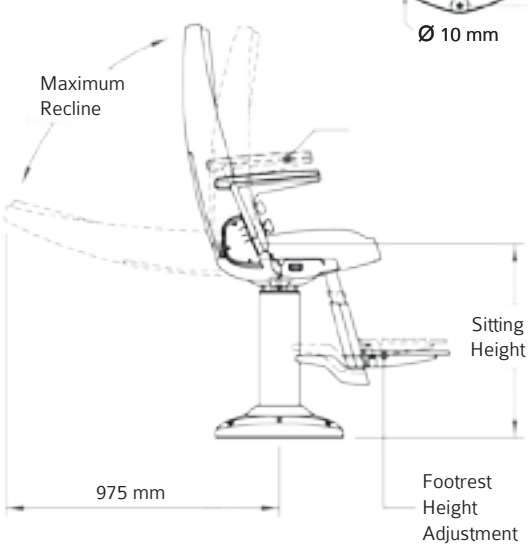
Design and features

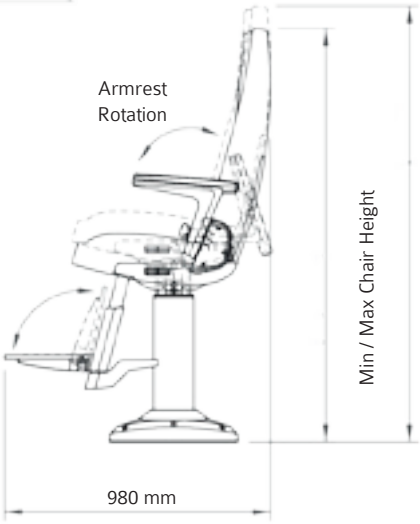
- Height adjustable armrests
- Flip backarmrests
- Easily removable armrest top
- Armrests accommodate attachments for equipment
- Sitting height adjusted with gas-struts
- Easy removable seat cushion
- Backrest angle adjusted with gas-struts
- Backrest folds back approximately 80° from the vertical position
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Cable routing through the chair and center column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metal contact
- Constructed with pressure die cast and injection molded parts, and extruded profiles. No welded parts
- Power coat colour:
- Metal Grey A1012724











Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	HSC Code	Footrest
Alutech 560	420 - 490 mm	1260 mm	1330 mm	41 kg	12 g	No
Alutech 565	550 - 750 mm	1390 mm	1590 mm	50 kg	12 g	Yes
Alutech 570	630 - 880 mm	1470 mm	1720 mm	51 kg	12 g	Yes
Alutech 580	730 - 980 mm	1570 mm	1820 mm	52 kg	12 g	Yes
Alutech 590	830 - 1030 mm	1670 mm	1870 mm	53 kg	12 g	Yes

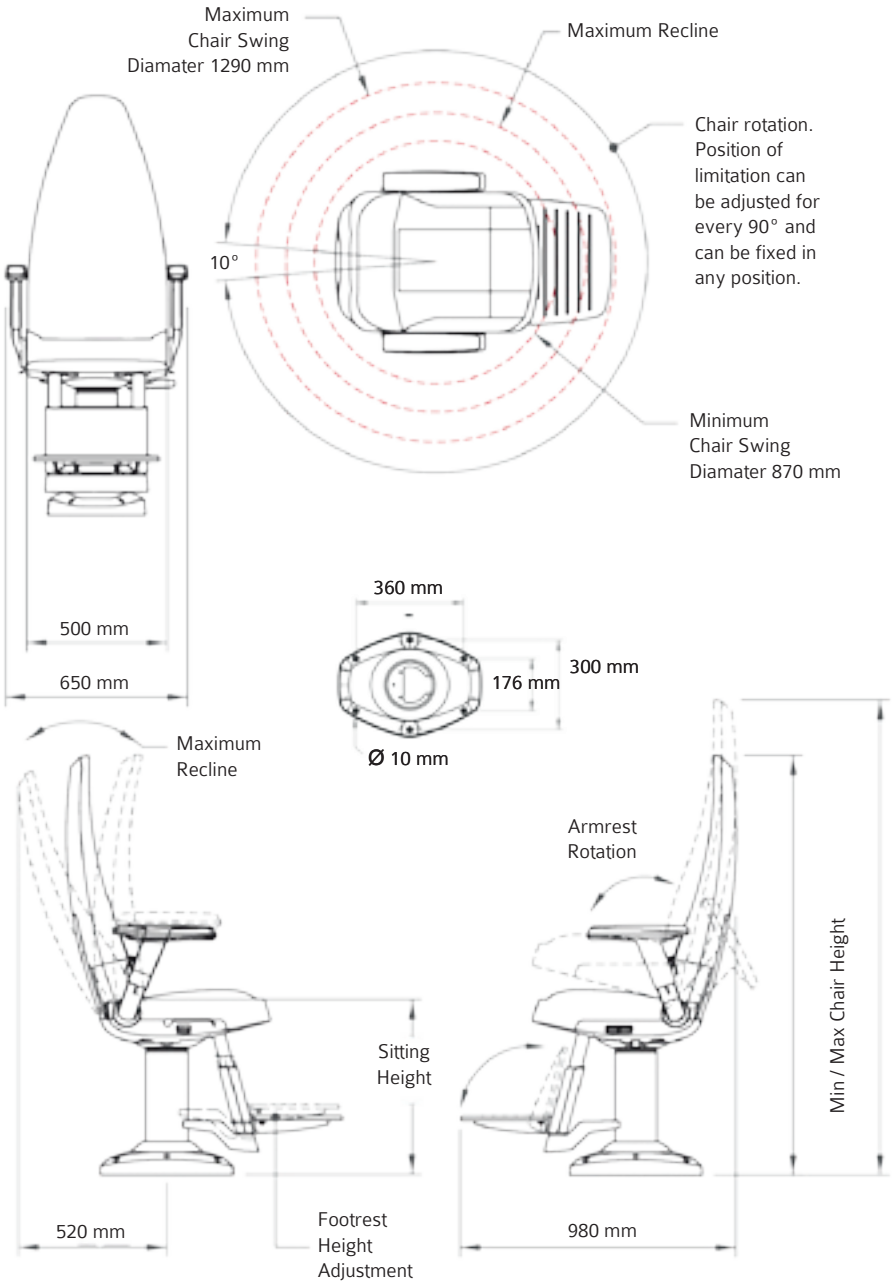
ALUTECH 600 STANDARD

Alutech 600 Standard

High quality construction ensures a robust and stable chair that can be mounted to the deck, or Alutechs range of deck rails.

Design and features

- Height adjustable armrests
- Flip backarmrests
- Easily removable armrest top
- Armrests accommodate attachments for control equipment and cup holders etc
- Sitting height adjusted with gas-struts
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Cable routing through the chair and center column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metal contact
- Constructed with pressure die cast and injection molded parts, and extruded profiles. No welded parts
- Power coat colour: Metal Grey A1012724



Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	HSC Code	Footrest
Alutech 620	420 - 490 mm	1310 mm	1380 mm	36 kg	12 g	No
Alutech 625	550 - 750 mm	1440 mm	1640 mm	45 kg	12 g	Yes
Alutech 630	630 - 880 mm	1520 mm	1770 mm	46 kg	12 g	Yes
Alutech 640	730 - 980 mm	1620 mm	1870 mm	47 kg	12 g	Yes
Alutech 650	830 - 1030 mm	1720 mm	1920 mm	48 kg	12 g	Yes

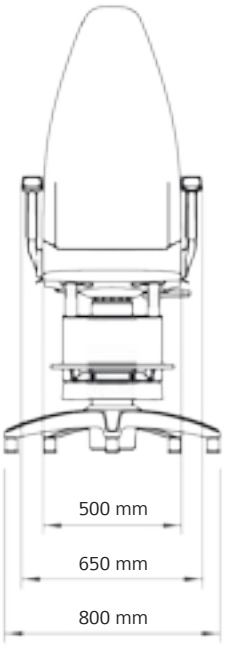
ALUTECH 1600 OFFICE

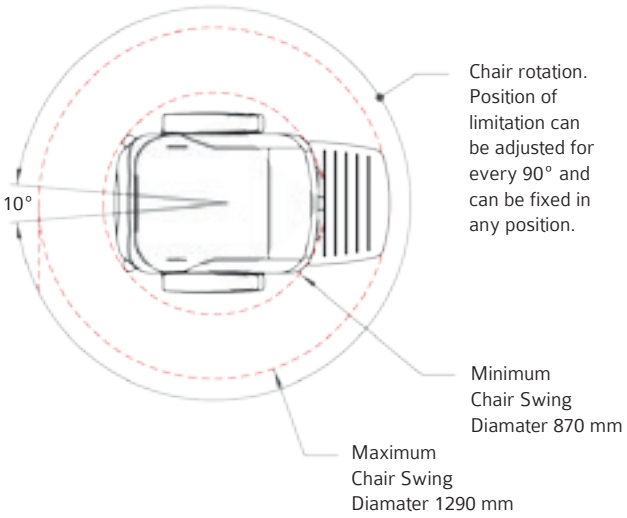
Alutech 1600 Office

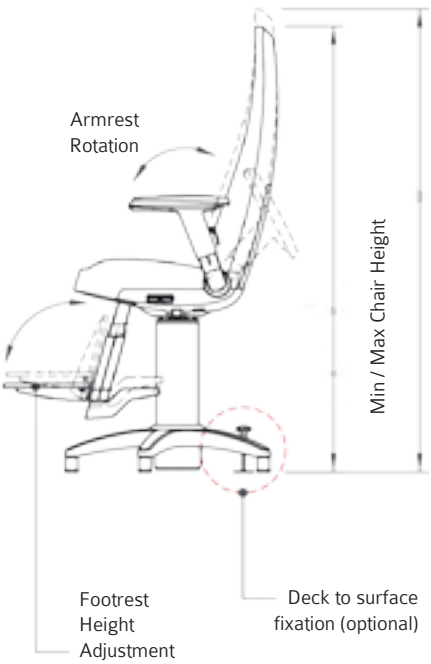
High quality construction ensures a robust and stable office chair.

Design and features

- Height adjustable armrests
- Flip backarmrests
- Easily removable armrest top
- Sitting height adjusted with gas-struts
- Adjustable lumbar support as standard
- Chair rotates 350° and locks in any position
- Shock absorbing column
- Footrest height adjusted with gas-struts
- Fold up footrest
- Footrest rotates with chair and is supported by the column for stability
- No direct metal to metal contact
- Constructed with pressure die cast and injection molded parts, and extruded profiles. No welded parts
- Power coat colour: Metal Grey A1012724




10°
Chair rotation. Position of limitation can be adjusted for every 90° and can be fixed in any position.
Minimum Chair Swing Diamater 870 mm
Maximum Chair Swing Diamater 1290 mm



Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	Footrest
Alutech 1620	460 - 520 mm	1350 mm	1420 mm	40 kg	No
Autech 1625	590 - 790 mm	1480 mm	1680 mm	41 kg	No
Alutech 1630	690 - 940 mm	1560 mm	1810 mm	49 kg	Yes

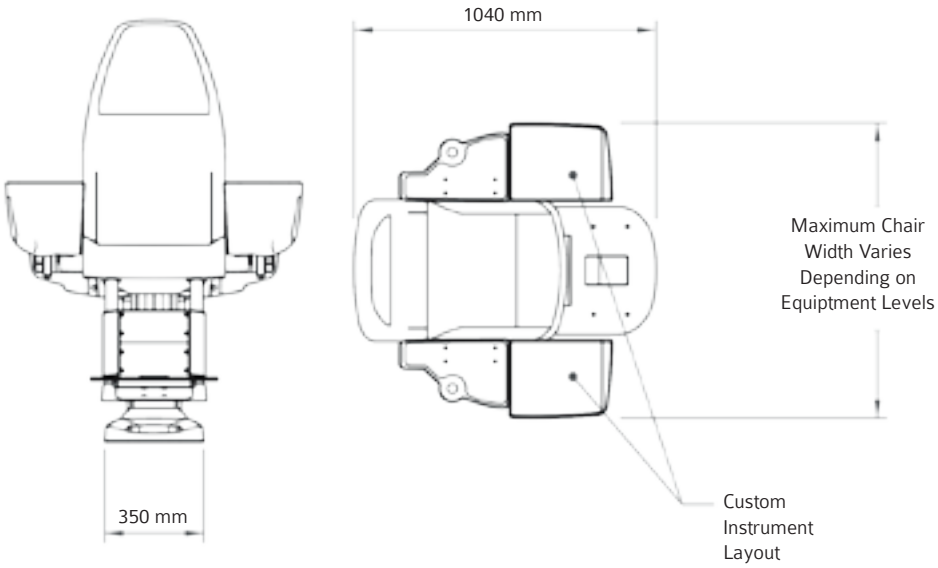
ALUTECH 700 OFFSHORE

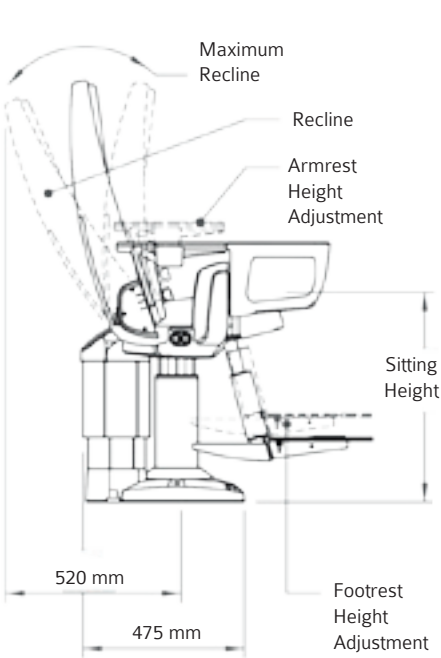
Alutech 700 Offshore

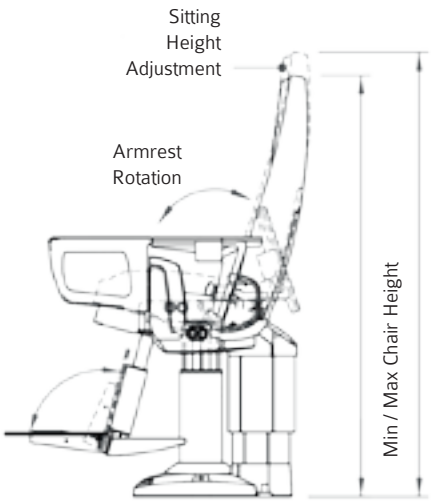
High quality construction ensures a robust and stable chair to be mounted directly to the deck or on Alutech 3800 deck rail.

Design and features

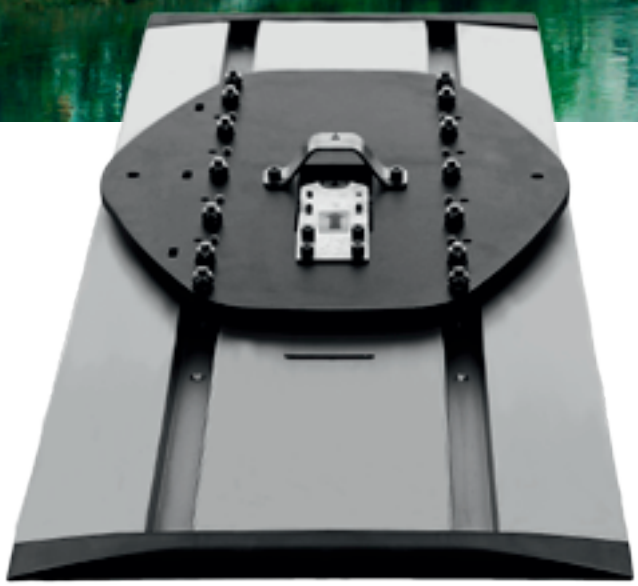
- Height adjustable armrests
- Flip back armrests
- Inbuilt cup holder
- Optional custom logo sewn into seat back
- Height adjustable
- Custom built instrument consoles
- Optional screen mount
- Cable routing through the chair and rear column
- Cables right/left armrest reperated
- Electric height adjustment as standard
- Footrest height adjusted with gas-strut
- Flip back footrest
- Optional intercom in back rest side
- Optional microphone switch in footrest
- Flexible cable tray in deck rail
- Powered movement on Alutech 3800 series deck rails
- Product is designed to wear well, no direct metal to metal contact
- Constructed from castings and extruded profiles with no welding points
- Powder coat colour: Standard color RAL 9007







Seat	Sitting Height	Minimum Chair Height	Maximum Chair Height	Chair Weight	Footrest
Alutech 700	630 - 830 mm	1470 mm	1670 mm	115 kg	Yes



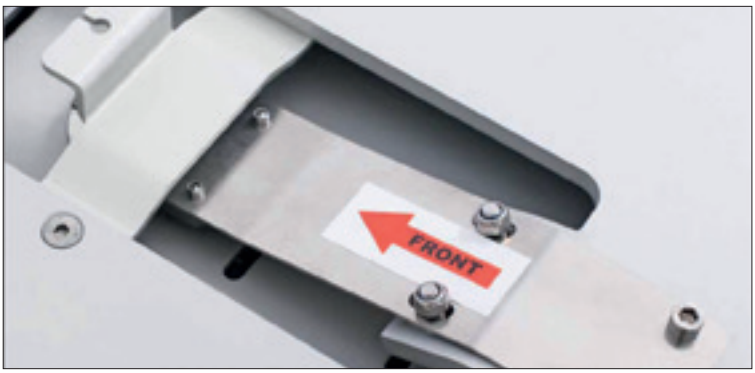
Alutech 4000 Surface

Deck rails

Alu Design offers a wide range of deck rails for increased comfort and safety "on deck" of any wheelhouse. Deck rails are crash test approved to HSC Code 12g.

Choose between surface mounted and flush mounted deck rails at a variety of lengths. The braking system is controlled from the chair and easily locks the wagon into place. Deck rails with electrically powered forward and back movement are created for Alutech 3800 Offshore.

ALUTECH 3200 / 3400



*Direction for installation depends on chair type selected.

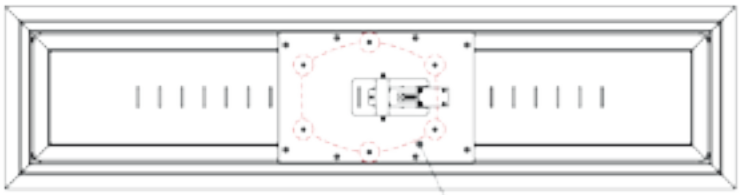
3200 / 3400 SURFACE MOUNTED DECK RAIL

This deck rail series is surface mounted and designed for use with any of the Alutech 200, 300, 400, 500 or 600 chair types. Available in required lengths.

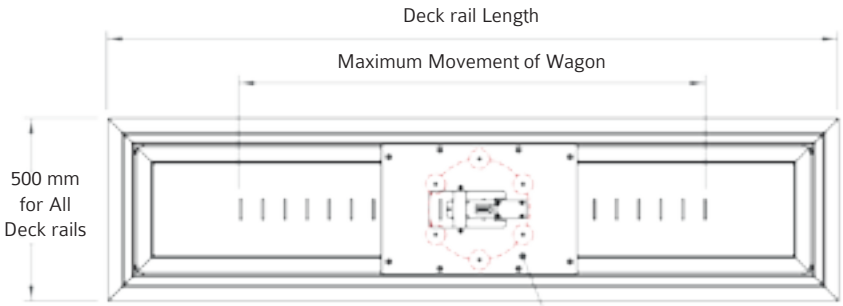
DESIGN AND FEATURES

- Simple to install
- Low weight
- Alutech 3200 and 3400 utilizes a low frction stainless steel ball-bearing rail system that enables easy movement for both chair and operator
- Alutech 3200 and 3400 braking system is controlled from the chair and easily locks the wagon in place

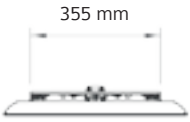
For a detailed installation guide please visit our website: alu-design.no

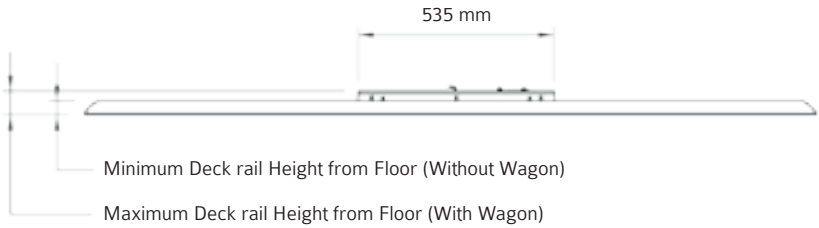


3400 Deck rail
Fixing points to suit Alutech 500 Series



3200 Deck rail
Fixing points to suit Alutech 200 Series





Deck rail for 200 / 500 Chair Series	Deck rail Length	Maximum Deck rail Height (With / Without wagon)	Maximum Movement of Wagon	Deck rail Weight	HSC Code
Alutech 3200 / 3400	1500 mm	65 mm / 38 mm	815 mm	27 kg	12 g
Alutech 3205 / 3405	2000 mm	65 mm / 38 mm	1315 mm	33.5 kg	12 g
Alutech 3210 / 3410	2500 mm	65 mm / 38 mm	1815 mm	40 kg	12 g
Alutech 3215 / 3414	3000 mm	65 mm / 38 mm	2315 mm	47 kg	12 g
Alutech 32XX/34XX	on request	on request			12 g

ALUTECH 3300 / 3500

*Direction for installation depends on chair type selected.

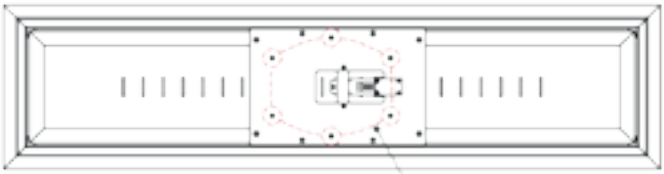
3300 / 3500 FLUSH MOUNTED DECK RAIL

Available in four different lengths or made-to-fit, this deck rail series is flush mounted and designed for use with any of the Alutech 200, 300, 400, 500 or 600 chair types. Available in required lengths.

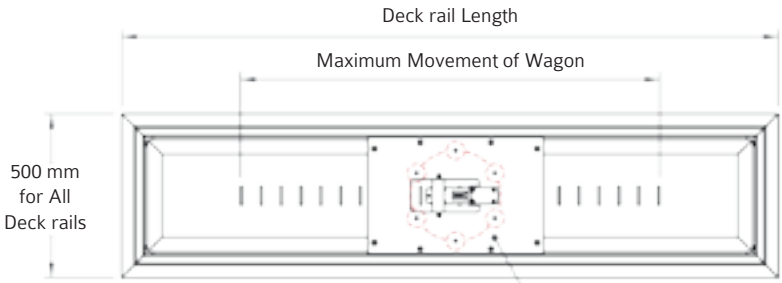
DESIGN AND FEATURES

- Simple to install
- Low weight
- Alutech 3300 and 3500 utilizes a low frction stainless steel ball-bearing rail system that enables easy movement for both chair and operator
- Alutech 3300 and 3500 braking system is controlled from the chair and easily locks the wagon in place

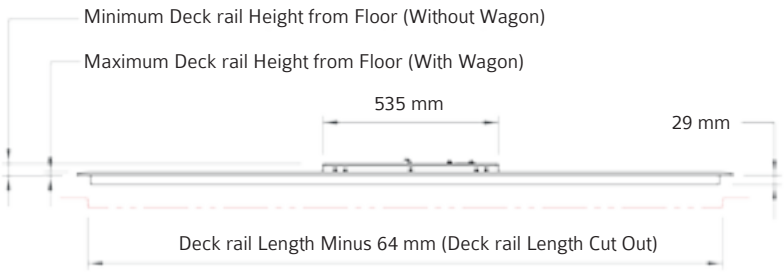
For a detailed installation guide please visit our website: alu-design.no

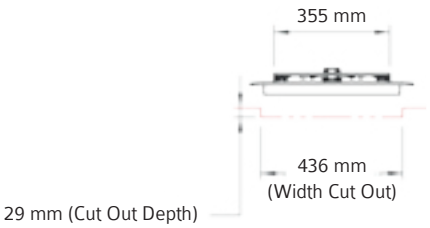


3500 Deck rail
Fixing points to suit Alutech 500 Series



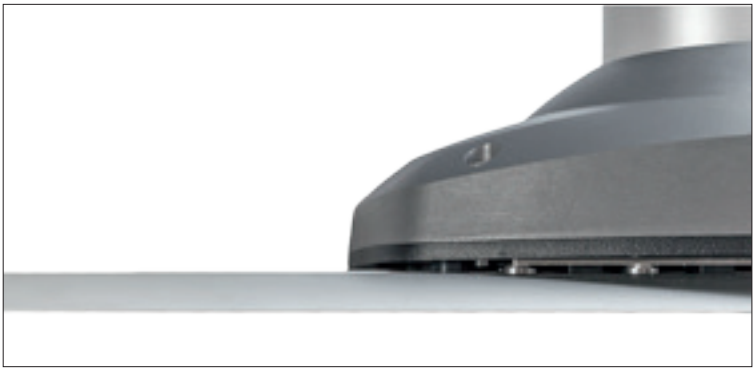
3300 Deck rail
Fixing points to suit Alutech 200 Series


Minimum Deck rail Height from Floor (Without Wagon)
Maximum Deck rail Height from Floor (With Wagon)
535 mm
29 mm
Deck rail Length Minus 64 mm (Deck rail Length Cut Out)



Deck rail for 200 / 500 Chair Series	Deck rail Length	Maximum Deck rail Height (With / Without wagon)	Maximum Movement of Wagon	Deck rail Weight	HSC Code
Alutech 3300 / 3500	1500 mm	35 mm / 8 mm	815 mm	27 kg	12 g
Alutech 3305 / 3505	2000 mm	35 mm / 8 mm	1315 mm	33.5 kg	12 g
Alutech 3310 / 3510	2500 mm	35 mm / 8 mm	1815 mm	40 kg	12 g
Alutech 3315 / 3515	3000 mm	35 mm / 8 mm	2315 mm	47 kg	12 g

ALUTECH 4000 SURFACE

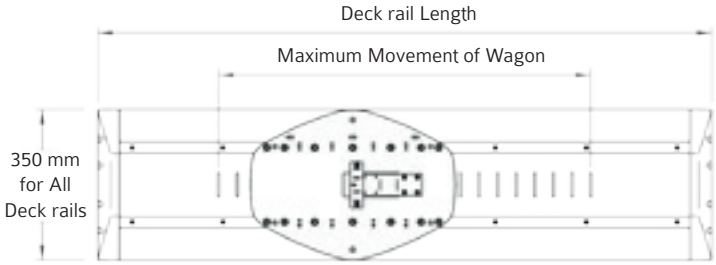


4000 SURFACE MOUNTED DECK RAIL

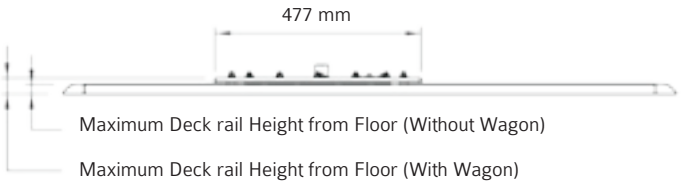
Comes in six different standard lenghts. This deck rail series is surface mounted and designed for use with any chair from the Alutech 300, 400, 500 or 600 series.

DESIGN AND FEATURES

- Simple to install
- Low weight
- Alutech 4000 utilizes a low frction stainless steel ball-bearing rail system that enables easy movement for both chair and operator
- Alutech 4000 braking system is controlled from the chair and easily locks the wagon in place



Please Note: Fastening holes are indicative only and correct positions will be supplied on AC drawings



Deck rail for 300 - 600 Chair Series	Deck rail Length	Maximum Deck rail Height (With / Without wagon)	Maximum Movement of Wagon	Deck rail Weight
Alutech 4000	1000 mm	38 mm / 23 mm	460 mm	18 kg
Alutech 4005	1500 mm	38 mm / 23 mm	960 mm	21.5 kg
Alutech 4010	2000 mm	38 mm / 23 mm	1460 mm	25 kg
Alutech 4015	2500 mm	38 mm / 23 mm	1960 mm	28.5 kg
Alutech 4020	3000 mm	38 mm / 23 mm	2460 mm	32 kg

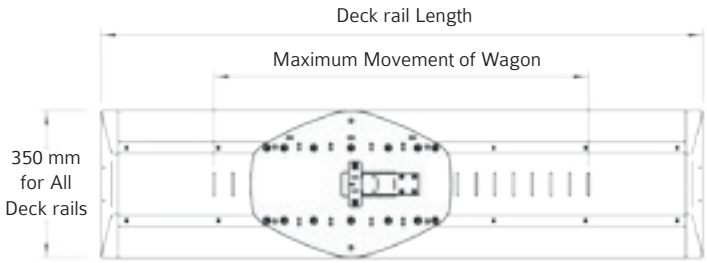
ALUTECH 4100 FLUSH

4100 FLUSH MOUNTED DECK RAIL

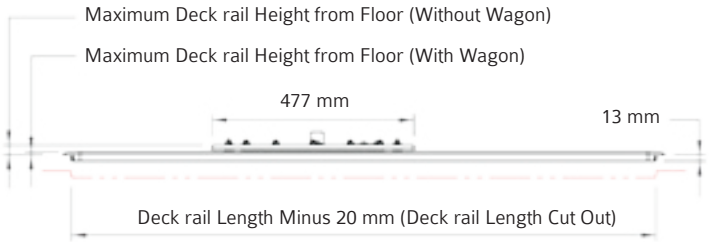
Comes in six different standard lenghts. This deck rail series is flush mounted and designed for use with any chair from the Alutech 300, 400, 500 and 600 series.

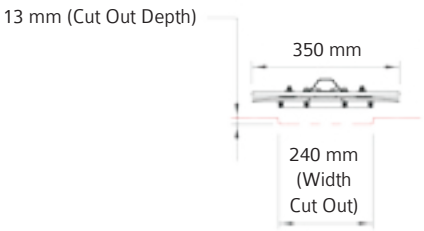
DESIGN AND FEATURES

- Simple to install
- Low weight
- Alutech 4100 utilizes a low frction stainless steel ball-bearing rail system that enables easy movement for both chair and operator
- Alutech 4100 braking system is controlled from the chair and easily locks the wagon in place



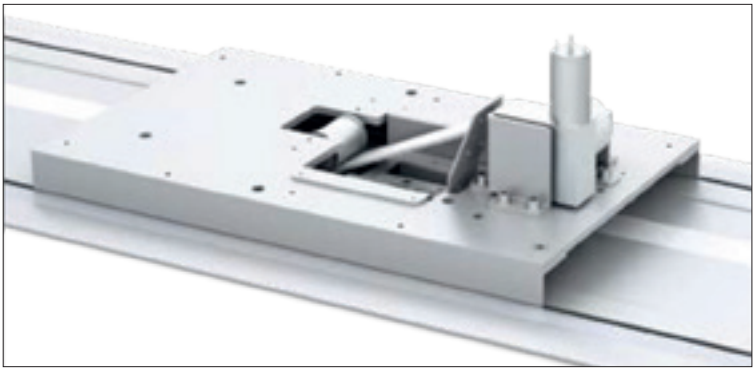
Please Note: Fastening holes are indicative only and correct positions will be supplied on AC drawings


Maximum Deck rail Height from Floor (Without Wagon)
Maximum Deck rail Height from Floor (With Wagon)
477 mm
13 mm
Deck rail Length Minus 20 mm (Deck rail Length Cut Out)



Deck rail for 300 - 600 Chair Series	Deck rail Length	Maximum Deck rail Height (With / Without wagon)	Maximum Movement of Wagon	Deck rail Weight
Alutech 4100	1000 mm	23 mm / 8 mm	460 mm	18 kg
Alutech 4105	1500 mm	23 mm / 8 mm	960 mm	21.5 kg
Alutech 4110	2000 mm	23 mm / 8 mm	1460 mm	25 kg
Alutech 4115	2500 mm	23 mm / 8 mm	1960 mm	28.5 kg
Alutech 4120	3000 mm	23 mm / 8 mm	2460 mm	32 kg

ALUTECH 3800 OFFSHORE



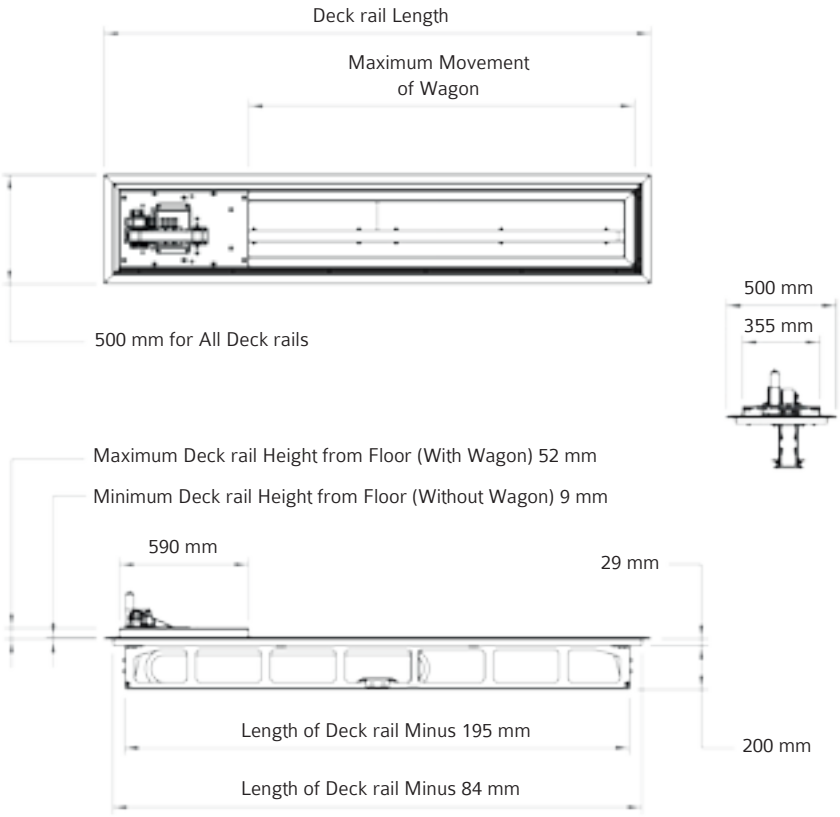
3800 OFFSHORE DECK RAIL SERIES

This deck rail is flush mounted and suitable in connection with Alutech 700. May also be used in connection with the Alutech 300, 400, 500 & 600 series.

DESIGN AND FEATURES

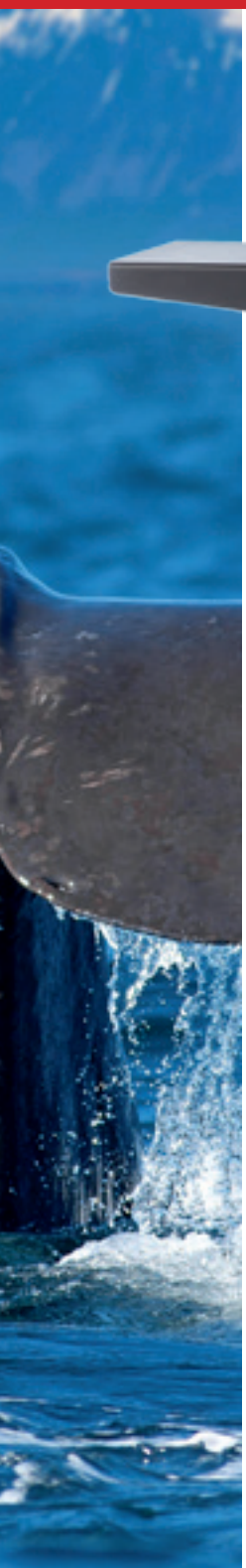
- Electrically driven movement
- pushbutton control
- Cable routing from the chair to flexible cable tray in the deck rail for optimal protection of cables
- Low friction stainless stell rail system for easy and reliable movement of the chair and operator
- Chair stops automatically if it encounters an obstacle

For a detailed installation guide please visit our website: alu-design.no


Deck rail Length
Maximum Movement
of Wagon
500 mm for All Deck rails
500 mm
355 mm
Maximum Deck rail Height from Floor (With Wagon) 52 mm
Minimum Deck rail Height from Floor (Without Wagon) 9 mm
590 mm
29 mm
Length of Deck rail Minus 195 mm
200 mm
Length of Deck rail Minus 84 mm

Deck rail	Deck rail Length	Electrical Operated Voltage 24 V	Maximum Movement of Wagon	Deck rail Weight
Alutech 3800	1500 mm	Yes	767 mm	40 kg
Alutech 3805	2000 mm	Yes	1267 mm	48 kg
Alutech 3810	2500 mm	Yes	1767 mm	57 kg
Alutech 3815	3000 mm	Yes	2267 mm	65 kg

ACCESSORIES & CUSTOM BUILDS



Accessories & Custom Builds

Alu Design offers a wide range of accessories which add to both the comfort for and safety of the user. In addition to the standard accessories we are geared to develop new and customized solutions in collaboration with our customers.

Maintenance kit for leather.

Toolkit / manuals are easily available under footrest.

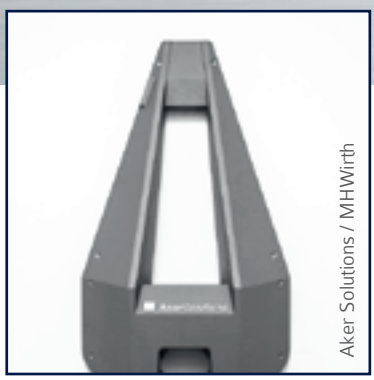
Accessories

We understand that not all seating requirements are exactly the same. Therefor our accessories include, but are not limited to, cup holders, joystick holders, safety belts, flip out tables, custom branding, intercoms with integrated foot pedals, custom built consoles, variety of seat covers, etc.

SEE US INSIDE THE MOVIE:

TRANSFORMERS

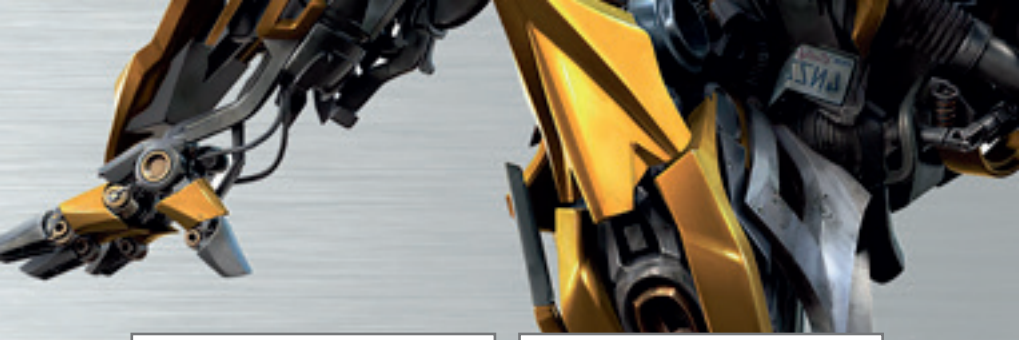
AGE OF EXTINCTION



Aker Solutions / MHWirth

Custom Builds

Not all seating requirements are exactly the same; hence Alu Design offers a wide variety of custom built products. We pride ourselves in working closely with our clients to produce unique and innovative design solutions that can fulfill the most complex of user needs.



Kongsberg Maritime AS

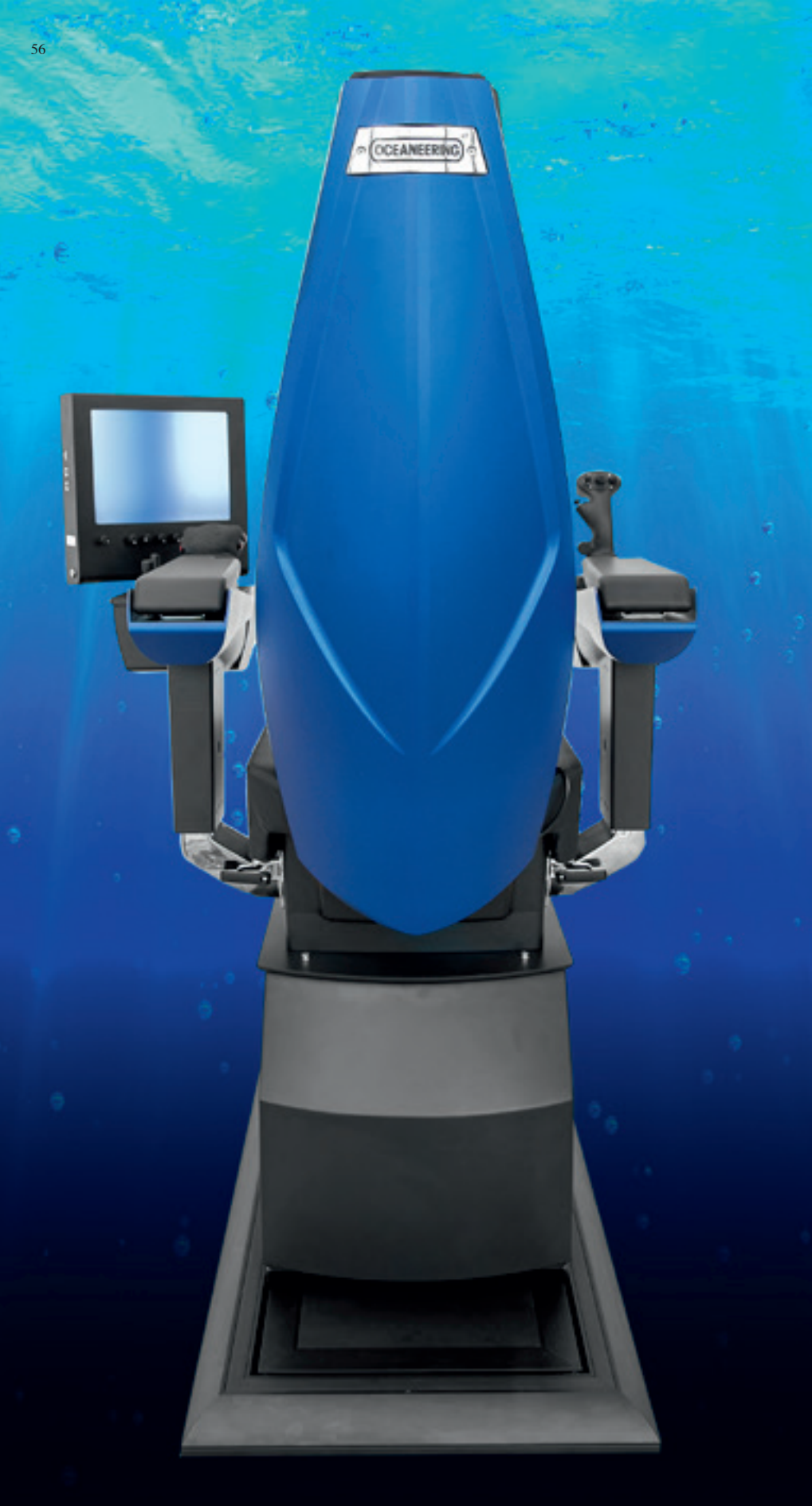
Kongsberg Maritime´s «K-Master»

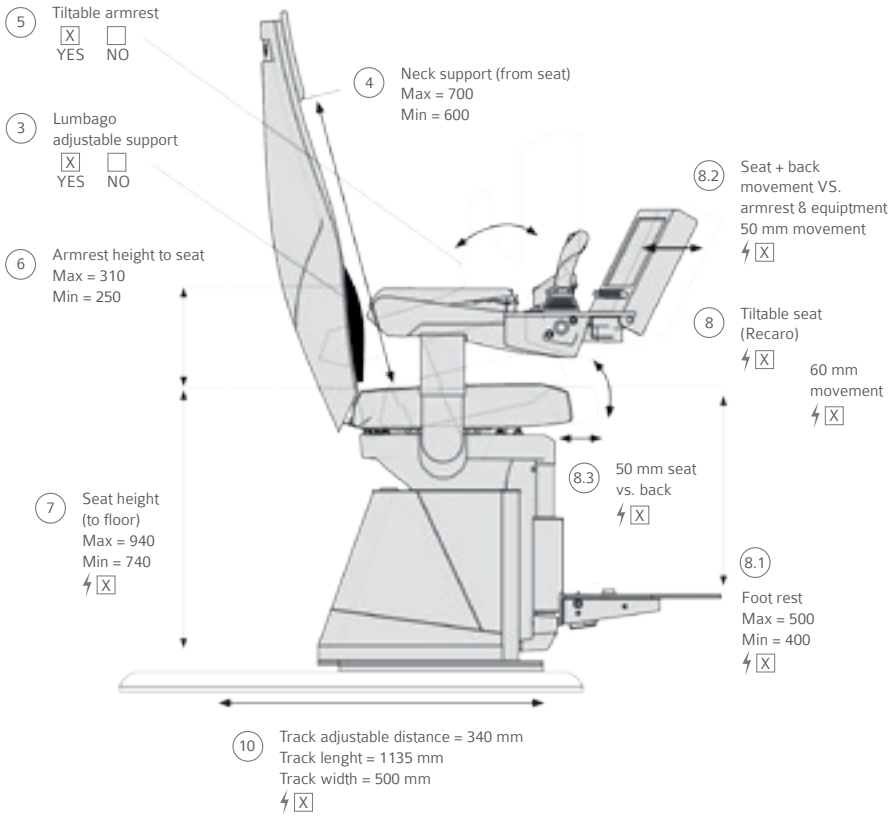
Alu Design goes to Hollywood

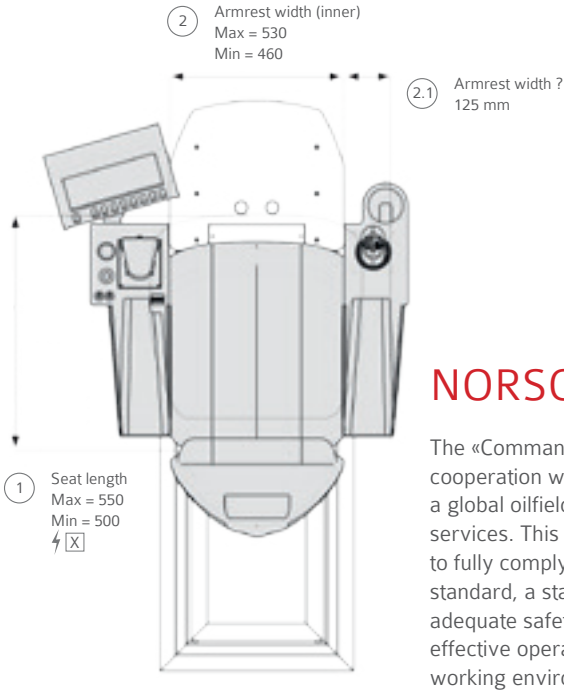
MH OCH 300 operator chair, created for Aker Solutions (now MHWirth) in 2012, has even made it to Hollywood, to the latest Transformers block-buster: Age of Extinction. Although the chair was designed with the drilling environment front-of-mind, we take pride in it being “at the heart” of the movie´s set design.

Rolls-Royce Marine AS

Kongsberg Maritime AS, Rolls-Royce Marine AS, Oceaneering AS and MHWirth AS are among our valued partners for whom unique operator workstations have been successfully designed, produced and installed.

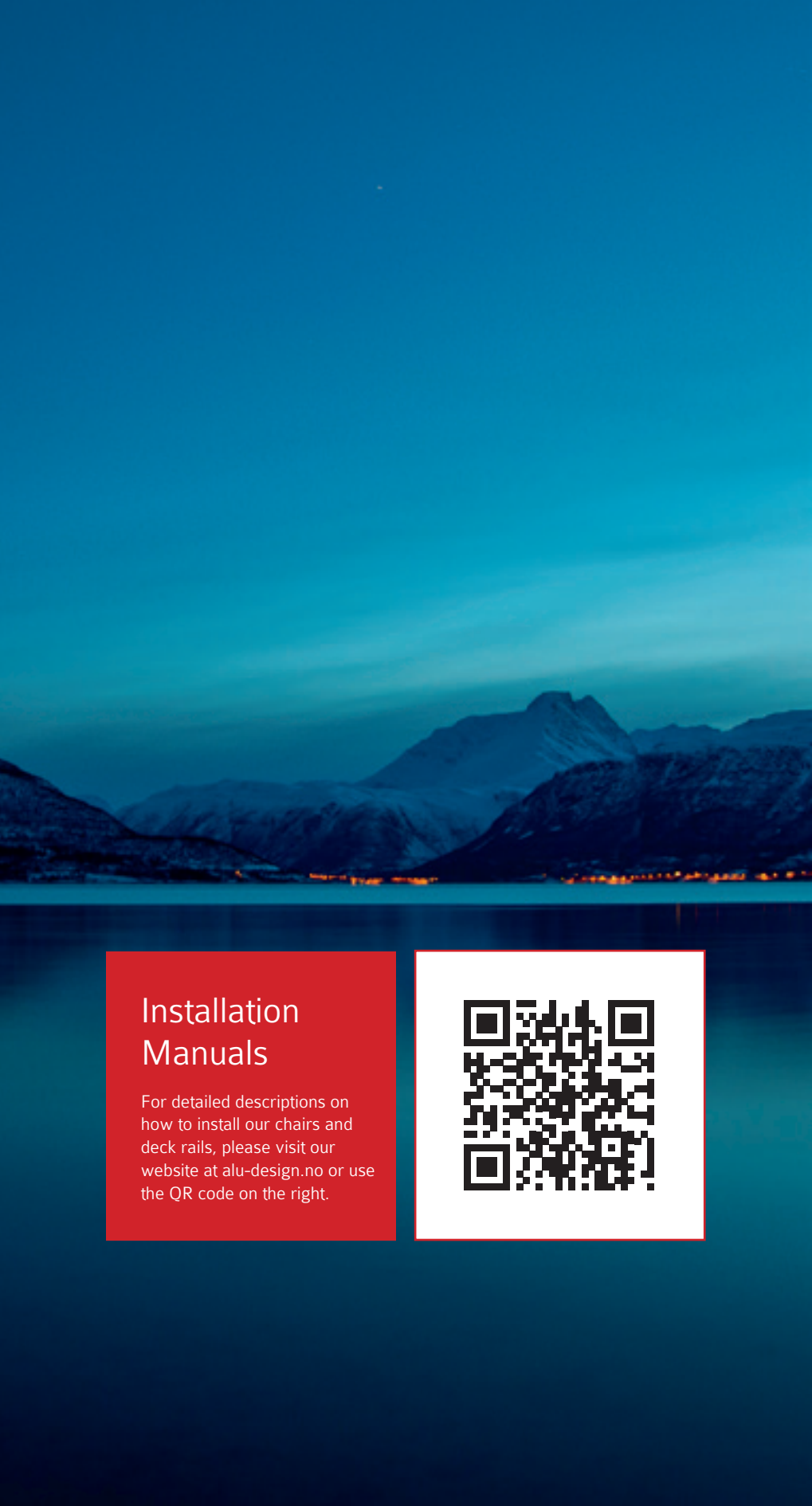

OCEANEERING





NORSOK S-002

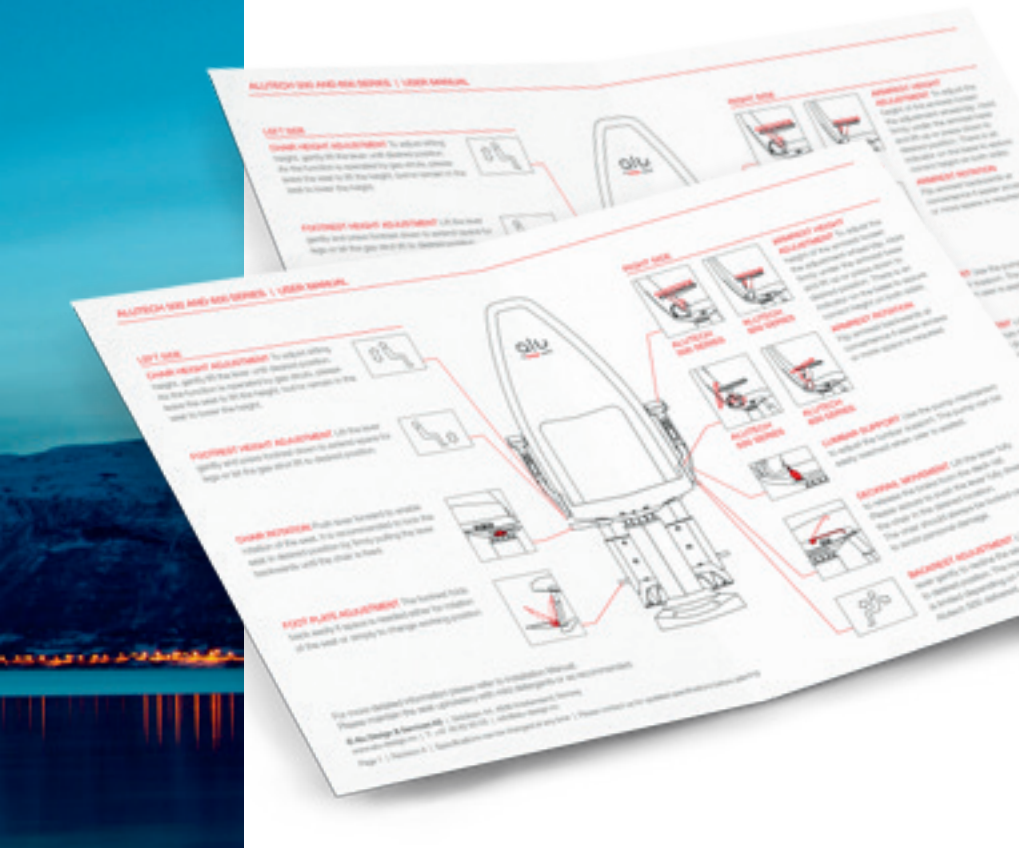
The «Commander» is developed in cooperation with Oceaneering AS, a global oilfield provider of engineered services. This is a workstation designed to fully comply with NORSOK S-002 standard, a standard which shall ensure adequate safety, value adding and cost effective operations as well as optimal working environments.



Installation Manuals

For detailed descriptions on how to install our chairs and deck rails, please visit our website at alu-design.no or use the QR code on the right.

USING THE CHAIR



Installing and using...

Each chair is delivered with an installation and a user manual to assure correct installation and use of the product. It is important that the instructions are followed for both the comfort and safety of the user.

Additionally, each chair of Alutech 300, 400, 500 and 600 series includes a toolkit for easy access to all parts necessary for installation and maintenance.

USER MANUAL 200 SERIES

ARMREST ROTATION

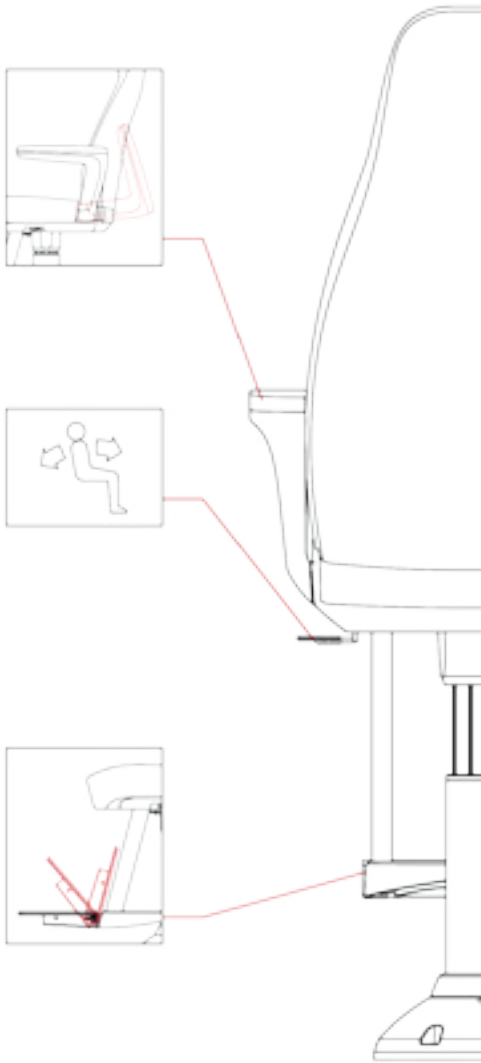
Flip armrest backwards at convenience if more space is required.

BACKREST ADJUSTMENT

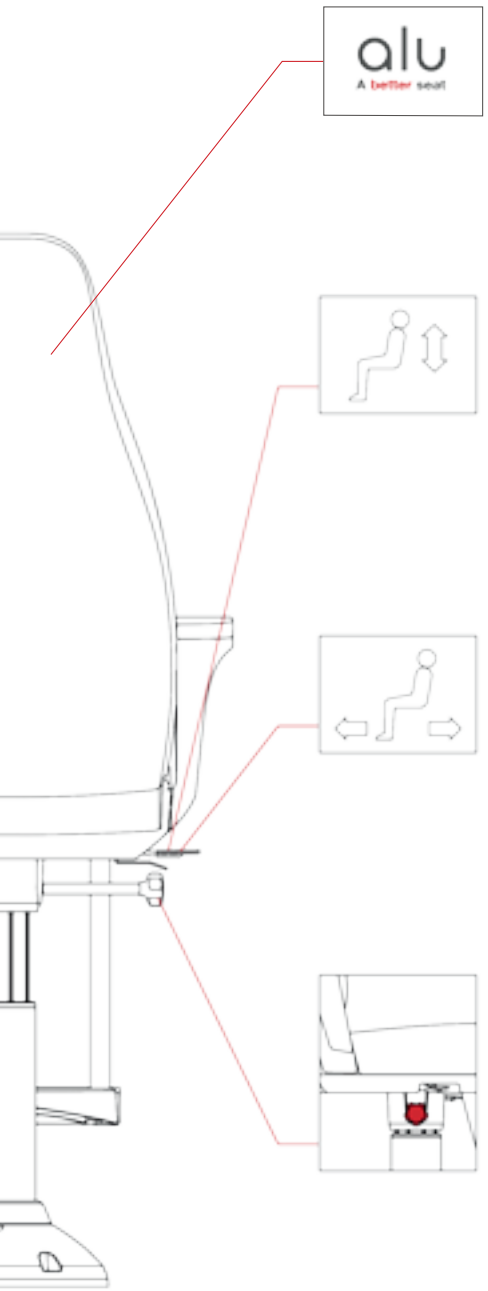
Twist lever gently upwards to recline the seat back to desired position. The max reclining is limited depending on the type of Alutech 200 delivered.

FOOTPLATE ADJUSTMENT

The footrest folds back easily if space is needed either for rotation of the seat or simply to change working position.



For more detailed information please refer to
intallation- og user manual which follows every chair delivered.
Please maintain the seat upholstery with mild detergents or as recommended.



LOGO

Customer logo stitched on the back (or front) of seats is available.

CHAIR HEIGHT ADJUSTMENT

Gently lift the lever to adjust sitting height to desired position. As the function is operated by gas struts, please leave the seat to lift the height. but/or remain in the seat to lower the height.

DECK RAIL ADJUSTMENT

Lift the lever gently to release the break from the deck rail. Please assure to push the lever back to lock the seat onto desired position. The chair should always be locked on the rail to avoid personal damage.

NOTE: This function applies only if the chair is mounted onto a deck rail.

CHAIR ROTATION LOCK

To rotate the chair, loosen the adjustment wheel and rotate to desired position. Remember to tighten the wheel.

You may leave the chair in open position, but it is not recommended in heavy seas.

USER MANUAL 300 / 400 SERIES

CHAIR HEIGHT ADJUSTMENT

To adjust sitting height, gently lift the lever until desired position. As the function is operated by gas struts, please leave the seat to lift the height, but/or remain in the seat to lower the height.

FOOTREST HEIGHT ADJUSTMENT

Lift the lever gently and press footrest down to extende space for legs or let the gas strut lift to desired position.

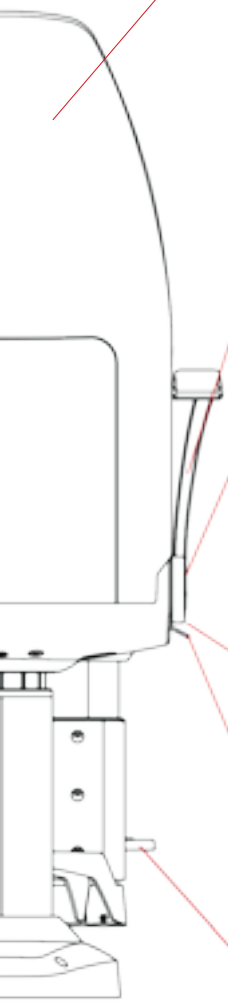
CHAIR ROTATION

Push the lever forward to enable rotation of the seat. It is recommended to lock the seat in desired position by firmly pulling the lever backwards until the chair is fixed.

FOOTPLATE ADJUSTMENT

The footrest folds back easily if space is needed either for rotation of the seat or simply to change working position.

For more detailed information please refer to
intallation- og user manual which follows every chair delivered.
Please maintain the seat upholstery with mild detergents or as recommended.

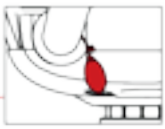


LOGO

Customer logo stitched on the back (or front) of seats is available.

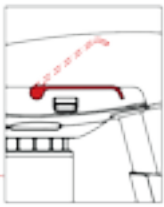
ARMREST ROTATION

Flip armrest backwards at convenience if easier access or more space is required.



LUMBAR SUPORT

Use the pump mechanism to adjust the lumbar support. The pump can be easily reached when user is seated.

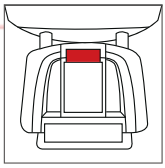


DECK RAIL ADJUSTMENT

Lift the lever fully to release the brake from the deck rail. Please assure to push the lever fully down to lock the chair in the desired location. The chair should always be locked on the deck rail to avoid personal damage.

BACKREST ADJUSTMENT

Lift lever gently to recline the seat back to desired position. The max reclining is limited depending on the type of Alutech 500 delivered.



MANUALS / TOOLKIT

Toolkit, installation- and user manuals are inserted under the footrest and included for each chair delivered.

USER MANUAL 500 / 600 SERIES

CHAIR HEIGHT ADJUSTMENT

To adjust sitting height, gently lift the lever until desired position. As the function is operated by gas struts, please leave the seat to lift the height, but/or remain in the seat to lower the height.

FOOTREST HEIGHT ADJUSTMENT

Lift the lever gently and press footrest down to extend space for legs or let the gas strut lift to desired position.

CHAIR ROTATION

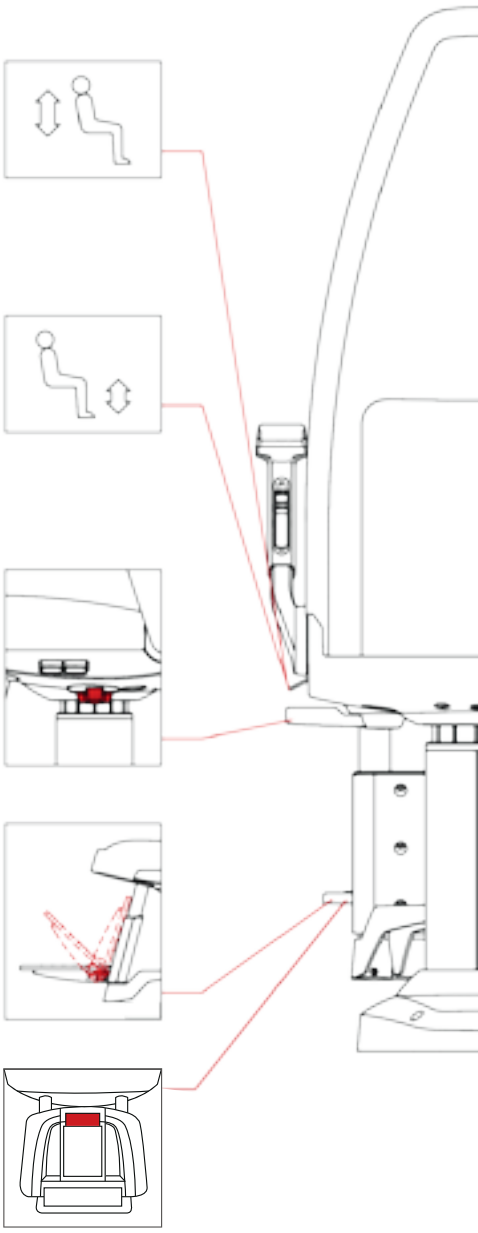
Push lever forward to enable rotation of the seat. It is recommended to lock the seat in desired position by firmly pulling the lever backwards until the chair is fixed.

FOOTPLATE ADJUSTMENT

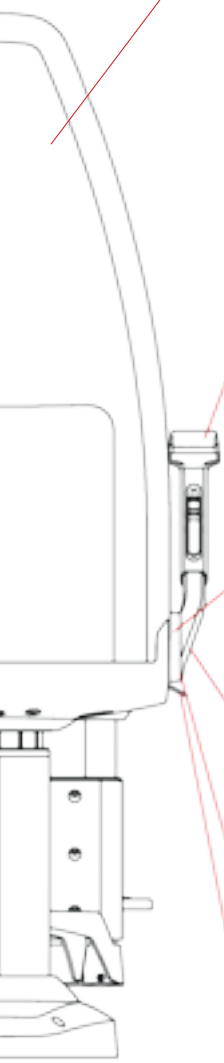
The footrest folds back easily if space is needed either for rotation of the seat or simply to change working position.

MANUALS / TOOLKIT

Toolkit, installation- and user manuals are inserted under the footrest and included for each chair delivered.



For more detailed information please refer to
intallation- og user manual which follows every chair delivered.
Please maintain the seat upholstery with mild detergents or as recommended.



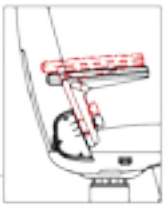
LOGO

Customer logo stitched on the back (or front) of seats is available.

ARMREST HEIGHT ADJUSTMENT

(500 and 600 series only)

To adjust the height of the armrest loosen the adjustment wheel/clip. Hold firmly under the armrest base and lift up or press down to desired position. There is an indicator on the base to assure correct height on both sides.



ALUTECH 500 SERIES

ALUTECH 600 SERIES

ARMREST ROTATION

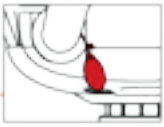
Flip armrest backwards at convenience if easier access or more space is required.

ALUTECH 500 SERIES

ALUTECH 600 SERIES

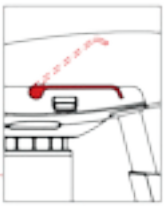
LUMBAR SUPORT

Use the pump mechanism to adjust the lumbar support. The pump can be easily reached when user is seated.



DECK RAIL MOVEMENT

Lift the lever fully to release the brake from the deck rail. Please assure to push the lever fully down to lock the chair in the desired location. The chair should always be locked on the deck rail to avoid personal damage.



BACKREST ADJUSTMENT

Lift the lever gently to recline the seat back to desired position. The max reclining is limited depending on the type of Alutech 500 delivered.

References

Our products are found onboard all types of marine vessels worldwide.

Check the long list of references on our website!

References

Alu-Design offers world-class pilot chairs and deck rails to the marine, navy, offshore and commercial industries. Our innovative products are designed with care, manufactured in accordance to stringent quality requirements and marketed with love.

Kongsberg Maritime's «K-Master».

Service

Helge Hausken

cell: +47 906 50 054
email: helge@alu-design.no

Miscellaneous

To assure that our products are delivered in good condition, we use solid cardboard crating, also suitable for transocean freight. In case of any damage, it is easily visible on the crates.

Logistics

Finn H. Hansen

cell: +47 917 39 942
email: finn@alu-design.no

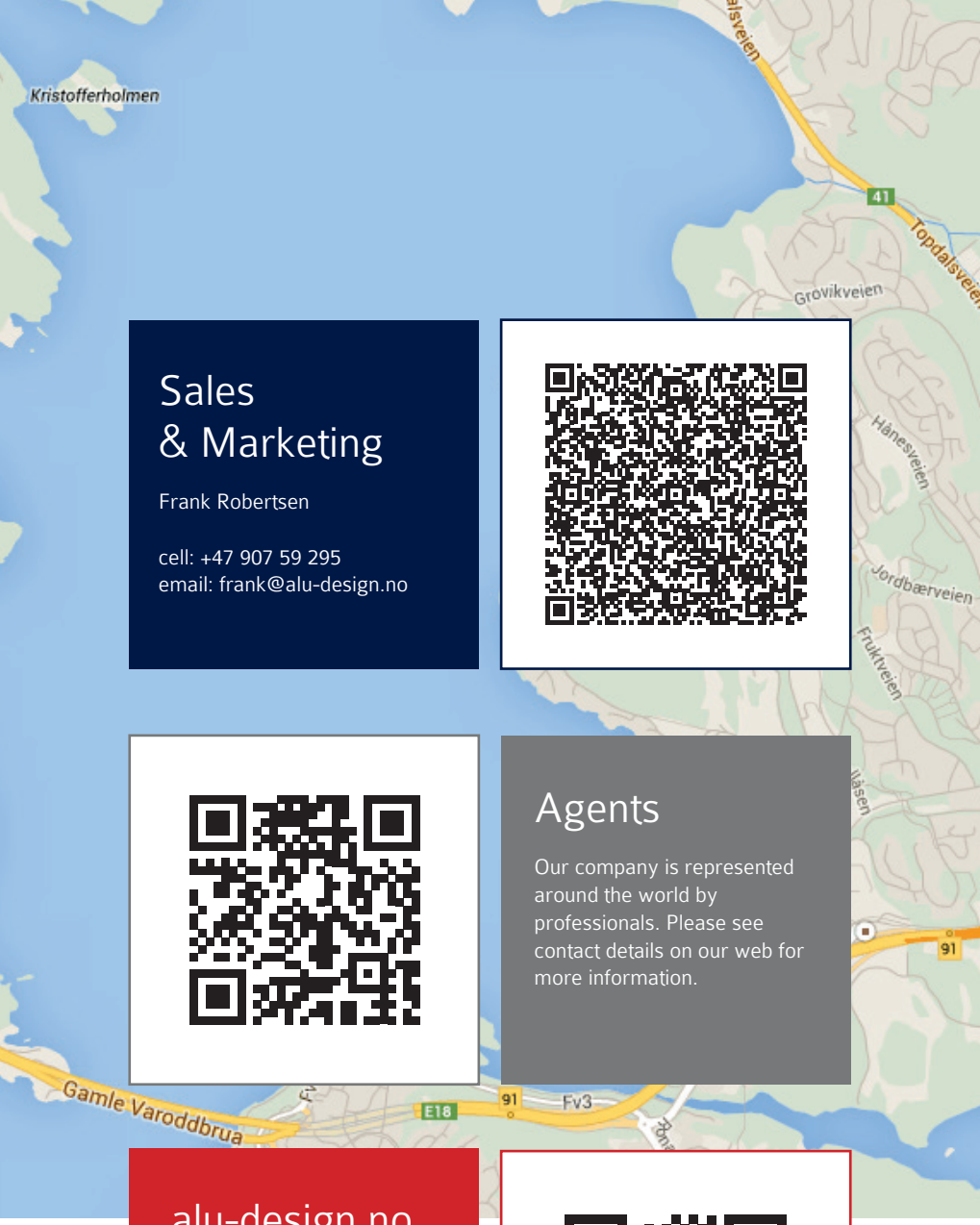
Delivery / Packaging

All products are packed adequately to ensure protected and safe delivery.

Production

Glenn Patrick Enge

cell: +47 472 61 257
email: glenn@alu-design.no



Sales & Marketing

Frank Robertsen

cell: +47 907 59 295
email: frank@alu-design.no

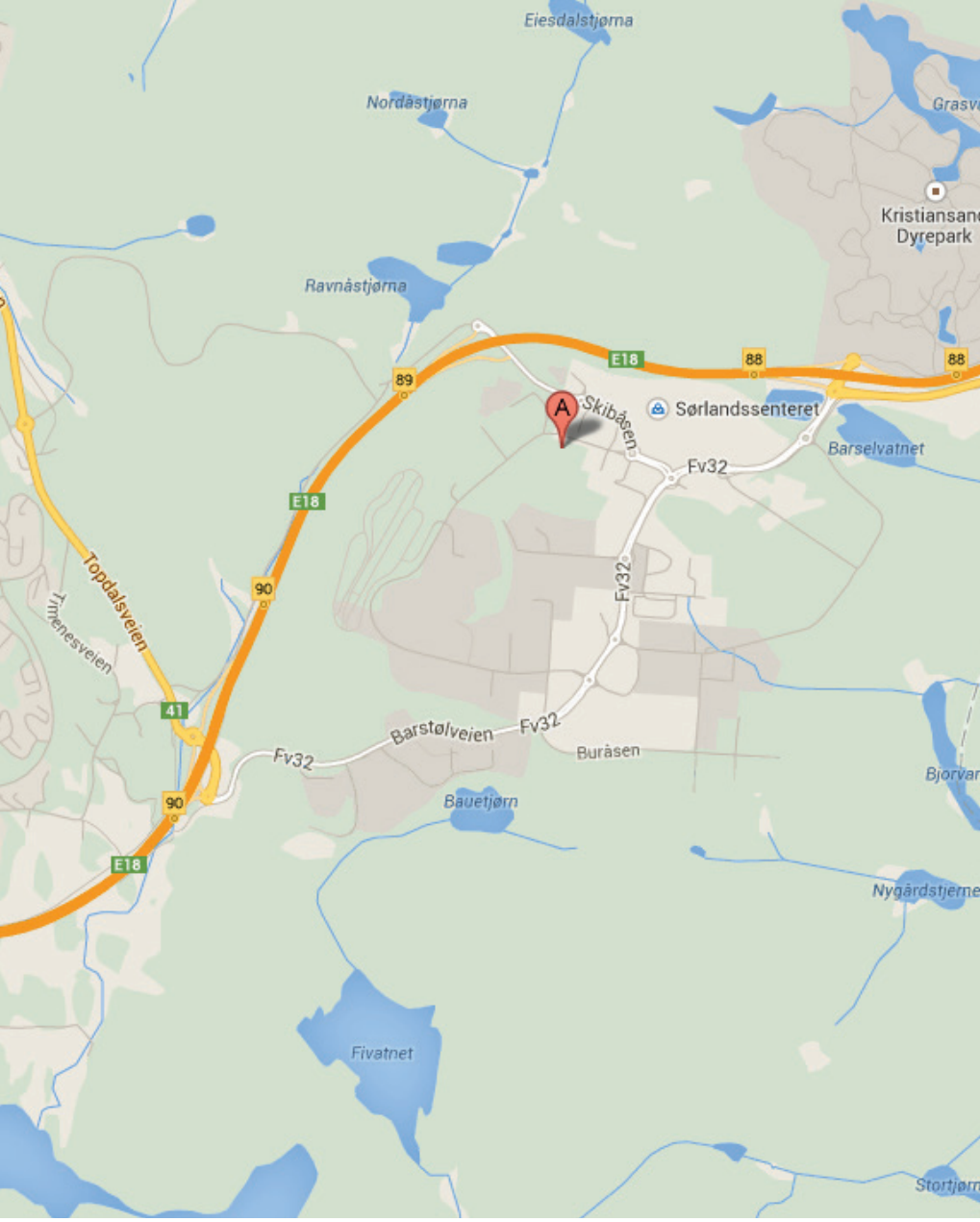
Agents

Our company is represented around the world by professionals. Please see contact details on our web for more information.

alu-design.no

We strive to keep our website up to date at all times, always filled with the newest information and details about our products.

S. E. & O.
Because of continued product improvement, we reserve the right to make changes. Specification can be changed at any time. Please contact us for updated specifications before ordering.



Think Design, Comfort & Value

We understand the intensive work environments which our products are required to perform in. Alu Design make great efforts to ensure that our products are truly the "Captain's choice". Our goal is to create an optimum working environment for the operator, prioritizing the usability and functionality of each chair and accessory. Our increased cusomer base tells us we succeed.

That´s why we can confidently say that our products deliver the best seating experience available!

KJ21 WWW.SSR.NO | 0015 | 1. utgave 2015

alu
A better seat

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www.alu-design.no